Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-131Q-GP01				HR-131Q-GP02				HR-131Q-MW01				HR-144Q-GP01			
Parcel				HR-131Q				HR-131Q				HR-131Q				HR-144Q			
Sample Number				QY0002				QY0004				QY0006				QM0002			
Sample Date				13-Aug-02				13-Aug-02				13-Aug-02				23-Jul-02			
Sample Depth (Feet)				1 - 2				1 - 2				3 - 4				2 - 3			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.59E+04		YES	YES	1.28E+04			YES	1.64E+04		YES	YES	1.71E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				4.56E+00	J	YES	YES	ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	3.57E+00			YES	4.00E+00			YES	3.59E+00			YES	4.87E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	2.02E+02				1.01E+02				6.40E+01				5.18E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	1.04E+00	J	YES		4.98E-01	J			3.90E-01	J			ND			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	6.72E+02		YES		2.51E+02				1.12E+02				1.40E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.47E+01				1.90E+01				1.82E+01				1.83E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	8.93E+00				8.51E+00				3.74E+00				4.42E+00	J		
Copper	mg/kg	1.94E+01	3.13E+02	8.76E+00				2.06E+01		YES		7.07E+00				9.08E+00			
Iron	mg/kg	4.48E+04	2.34E+03	1.61E+04			YES	2.19E+04			YES	1.66E+04			YES	2.94E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	3.13E+01				1.13E+02		YES		8.69E+00				2.03E+01	J		
Magnesium	mg/kg	7.66E+02	NA	6.02E+02				4.48E+02				6.71E+02				4.50E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	2.38E+03	J	YES	YES	8.19E+02	J		YES	2.56E+02	J			3.28E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	4.90E-02	J			5.29E-02	J			5.56E-02	J			7.66E-02	J	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	9.13E+00				5.69E+00				6.03E+00				5.86E+00			
Potassium	mg/kg	7.11E+02	NA	6.45E+02				7.55E+02		YES		4.90E+02	B			3.43E+02	J		
Selenium	mg/kg	4.70E-01	3.91E+01	1.27E+00		YES		9.23E-01	J	YES		8.01E-01	J	YES		1.59E+00	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.84E+01	J			3.05E+01	J			3.15E+01	J			ND			
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	2.00E+01				2.15E+01				2.56E+01				2.87E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.98E+01	J			1.67E+01	J			1.78E+01	J			1.49E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NA				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NA				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NA				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NA				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NA				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NA				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NA				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NA				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NA				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NA				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NA				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	2.80E-01	J			ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)				HR-144Q-GP02 HR-144Q QM0004 23-Jul-02 2 - 2.5				HR-144Q-GP03 HR-144Q QM0006 23-Jul-02 1 - 2				HR-144Q-GP04 HR-144Q QM0008 24-Jul-02 1.5 - 2				HR-144Q-MW01 HR-144Q QM0011 23-Jul-02 2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.70E+04		YES	YES	7.62E+03				1.42E+04		YES	YES	1.88E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	5.66E+00			YES	3.20E+00			YES	3.48E+00			YES	3.72E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	6.51E+01				5.02E+01				1.70E+02				7.55E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	4.36E-01	J			ND				9.93E-01	J	YES		ND			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				1.70E+00		YES		ND			
Calcium	mg/kg	6.37E+02	NA	1.35E+02				1.01E+04		YES		5.92E+02				1.67E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.63E+01				7.97E+00				9.95E+00				1.30E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	5.18E+00	J			1.34E+00	J			6.30E+00	J			3.39E+00	J		
Copper	mg/kg	1.94E+01	3.13E+02	1.91E+01				2.02E+01		YES		9.50E+00				7.43E+00			
Iron	mg/kg	4.48E+04	2.34E+03	2.06E+04			YES	1.14E+04			YES	1.19E+04			YES	1.41E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.74E+02	J	YES		3.93E+01	J	YES		1.47E+01	J			1.36E+01	J		
Magnesium	mg/kg	7.66E+02	NA	5.89E+02				5.78E+03		YES		5.35E+02				7.23E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	2.80E+02	J			1.56E+02	J			1.09E+03	J		YES	1.73E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	6.13E-02	J			3.28E-02	J			6.00E-02	J			7.18E-02	J	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	8.00E+00				3.00E+00				6.14E+00				6.27E+00			
Potassium	mg/kg	7.11E+02	NA	4.30E+02	J			8.04E+02		YES		3.84E+02	J			5.39E+02	J		
Selenium	mg/kg	4.70E-01	3.91E+01	9.02E-01	B	YES		ND				9.43E-01	B	YES		9.60E-01	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	ND				2.64E+01	J			2.19E+01	J			ND			
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	2.77E+01				1.06E+01				1.43E+01				2.24E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.77E+01	J			1.89E+01	J			2.42E+02	J	YES		2.26E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				1.10E-02	J			NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				1.90E-01	J			NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				ND				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				ND				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				ND				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				ND				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				ND				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				ND				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				1.10E-03	J			NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				ND				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				ND				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				2.50E-01	J			ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-145Q-GP01				HR-145Q-GP02				HR-145Q-GP03				HR-145Q-MW01			
Parcel				HR-145Q				HR-145Q				HR-145Q				HR-145Q			
Sample Number				QR0002				QR0004				QR0006				QR0008			
Sample Date				22-Jul-02				22-Jul-02				22-Jul-02				23-Jul-02			
Sample Depth (Feet)				1 - 2				1 - 2				2 - 3				2 - 3			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	7.48E+03				2.49E+04		YES	YES	2.51E+04		YES	YES	1.70E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	2.06E+00			YES	1.29E+01			YES	4.67E+00			YES	5.33E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	1.52E+02				7.33E+01				6.62E+01				9.04E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	5.36E-01	J			7.81E-01	J			4.32E-01	J			5.06E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	5.88E+02				1.14E+02	J			1.32E+02				1.33E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	5.20E+00				2.57E+01			YES	1.58E+01				1.46E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	4.69E+00				9.05E+00				3.05E+00				4.52E+00			
Copper	mg/kg	1.94E+01	3.13E+02	5.43E+00				1.19E+01				1.04E+01				8.54E+00			
Iron	mg/kg	4.48E+04	2.34E+03	6.59E+03			YES	6.08E+04		YES	YES	1.78E+04			YES	2.13E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	3.94E+01		YES		1.87E+01				9.45E+00				1.11E+01			
Magnesium	mg/kg	7.66E+02	NA	4.77E+02				6.73E+02				9.84E+02		YES		7.48E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	6.71E+02			YES	2.64E+02				9.01E+01				2.98E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	8.23E-02	J	YES		7.39E-02	J	YES		8.31E-02	J	YES		5.55E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	4.26E+00				6.23E+00				7.96E+00				7.67E+00			
Potassium	mg/kg	7.11E+02	NA	1.04E+03		YES		6.24E+02				9.34E+02		YES		1.30E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	8.10E-01	J	YES		3.75E+00		YES		1.34E+00		YES		1.37E+00		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	ND				2.59E+01	J			2.40E+01	J			2.36E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				1.00E+00	J		YES	ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	7.97E+00				3.89E+01				2.61E+01				2.40E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.23E+01				3.09E+01				2.61E+01				1.68E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-145Q-MW02				HR-146Q-GP01				HR-146Q-GP02				HR-146Q-GP03			
Parcel				HR-145Q				HR-146Q				HR-146Q				HR-146Q			
Sample Number				QR0011				RK0002				RK0004				RK0006			
Sample Date				22-Jul-02				1-Aug-02				6-Aug-02				1-Aug-02			
Sample Depth (Feet)				3 - 4				1 - 2				2 - 3				2 - 3			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.69E+04		YES	YES	7.38E+03				9.72E+03			YES	9.28E+03			YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.47E+00			YES	5.36E+00			YES	3.33E+00			YES	2.54E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	4.85E+01				1.98E+02	J			6.28E+01	J			1.33E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				8.08E-01	J			ND				6.79E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	7.31E+01	J			1.48E+02				3.75E+02				2.33E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.46E+01				1.65E+01				1.02E+01	J			5.50E+00			
Cobalt	mg/kg	1.75E+01	4.68E+02	1.62E+00	J			2.12E+01	J	YES		2.39E+00				3.96E+00	J		
Copper	mg/kg	1.94E+01	3.13E+02	8.23E+00				1.57E+01				7.81E+00				7.51E+00			
Iron	mg/kg	4.48E+04	2.34E+03	5.74E+03			YES	2.42E+04			YES	1.30E+04			YES	7.61E+03			YES
Lead	mg/kg	3.85E+01	4.00E+02	9.69E+00				4.03E+01		YES		1.61E+01				2.27E+01			
Magnesium	mg/kg	7.66E+02	NA	4.79E+02				2.61E+02				4.16E+02				3.41E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	6.30E+01				1.98E+03		YES	YES	7.21E+01	J			9.45E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	5.16E-02	J			3.73E-02	J			4.83E-02	J			5.87E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	4.16E+00				9.47E+00				3.81E+00				3.26E+00			
Potassium	mg/kg	7.11E+02	NA	5.70E+02				3.26E+02	J			2.46E+02	J			3.23E+02	J		
Selenium	mg/kg	4.70E-01	3.91E+01	ND				1.45E+00	B	YES		5.58E-01	J	YES		9.45E-01	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	ND				ND				2.62E+01	J			ND			
Thallium	mg/kg	1.40E+00	5.08E-01	ND				8.58E-01	J		YES	ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	2.21E+01				1.75E+01				1.60E+01				8.50E+00			
Zinc	mg/kg	3.49E+01	2.34E+03	1.60E+01				2.41E+01				1.63E+01	J			1.21E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-146Q-GP04				HR-146Q-GP05				HR-146Q-GP06				HR-146Q-GP07			
Parcel				HR-146Q				HR-146Q				HR-146Q				HR-146Q			
Sample Number				RK0008				RK0011				RK0013				RK0015			
Sample Date				1-Aug-02				1-Aug-02				6-Aug-02				6-Aug-02			
Sample Depth (Feet)				2 - 3				3 - 4				1 - 2				2 - 2.5			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.45E+04		YES	YES	1.63E+04		YES	YES	1.08E+04			YES	1.96E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	3.66E+00			YES	5.04E+00			YES	3.18E+00			YES	7.39E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	9.82E+01	J			3.59E+01	J			1.25E+02	J			7.51E+01	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	6.96E-01	J			4.12E-01	J			1.01E+00	J	YES		1.00E+00	J	YES	
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	1.54E+02				1.01E+02	J			1.49E+02				1.76E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.03E+01				1.52E+01				9.93E+00	J			2.01E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	7.66E+00	J			3.38E+00	J			6.39E+00				7.17E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.15E+01				8.38E+00				2.04E+01		YES		1.67E+01			
Iron	mg/kg	4.48E+04	2.34E+03	1.52E+04			YES	3.35E+04			YES	1.35E+04			YES	3.84E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	6.79E+01		YES		2.28E+01				1.97E+02		YES		4.32E+01		YES	
Magnesium	mg/kg	7.66E+02	NA	5.67E+02				3.27E+02				4.45E+02				5.69E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	4.46E+02			YES	4.17E+02			YES	7.38E+02	J		YES	7.50E+02	J		YES
Mercury	mg/kg	7.00E-02	2.33E+00	5.02E-02	J			6.02E-02	J			3.66E-02	J			1.19E-01		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	6.42E+00				5.88E+00				4.78E+00				1.02E+01			
Potassium	mg/kg	7.11E+02	NA	4.41E+02	J			2.74E+02	J			5.31E+02	J			5.93E+02			
Selenium	mg/kg	4.70E-01	3.91E+01	1.10E+00	B	YES		1.56E+00	B	YES		7.60E-01	J	YES		1.92E+00		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				1.24E+00	J	YES	
Sodium	mg/kg	7.02E+02	NA	ND				ND				2.43E+01	J			2.64E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				1.54E+00	J	YES	YES
Vanadium	mg/kg	6.49E+01	5.31E+01	1.71E+01				3.25E+01				1.28E+01				3.78E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.89E+01				1.68E+01				1.44E+01	J			4.33E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	1.90E-02	J			NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	3.30E-01	J			NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	ND				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	ND				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	ND															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	ND				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	ND				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	ND				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	ND				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	ND				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	ND				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-146Q-GP08				HR-146Q-GP09				HR-146Q-GP10				HR-146Q-GP11			
Parcel				HR-146Q				HR-146Q				HR-146Q				HR-146Q			
Sample Number				RK0017				RK0019				RK0021				RK0024			
Sample Date				6-Aug-02				31-Jul-02				31-Jul-02				5-Aug-02			
Sample Depth (Feet)				2 - 2.5				3 - 4				2 - 3				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.81E+04		YES	YES	2.82E+04		YES	YES	1.74E+04		YES	YES	1.37E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	5.21E+00	J	YES	YES	ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	8.14E+00			YES	4.70E+00			YES	3.36E+00			YES	2.73E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	6.30E+01	J			3.69E+01	J			5.46E+01	J			8.42E+01	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	8.27E-01	J			ND				3.72E-01	J			4.33E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	5.31E+01	J			5.34E+01	J			8.21E+01	J			2.47E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.46E+01	J			2.21E+01				1.10E+01				1.26E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	1.56E+01				1.71E+00	J			4.79E+00	J			5.03E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.38E+01				1.01E+01				6.11E+00				5.43E+00			
Iron	mg/kg	4.48E+04	2.34E+03	4.59E+04		YES	YES	2.76E+04			YES	1.50E+04			YES	1.13E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.90E+01				1.31E+01				1.38E+01				1.35E+01			
Magnesium	mg/kg	7.66E+02	NA	4.66E+02				4.47E+02				4.98E+02				5.20E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	4.05E+02	J		YES	4.29E+01				9.93E+01				2.27E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	5.23E-02	J			3.35E-01		YES		1.61E-01		YES		5.93E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	5.96E+00				4.64E+00				4.64E+00				4.61E+00			
Potassium	mg/kg	7.11E+02	NA	5.24E+02	J			3.52E+02	J			4.24E+02	J			4.33E+02	J		
Selenium	mg/kg	4.70E-01	3.91E+01	2.08E+00		YES		1.62E+00	B	YES		1.34E+00	B	YES		ND			
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.89E+01	J			ND				ND				3.21E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	1.63E+00	J	YES	YES	ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	3.10E+01				3.97E+01				2.06E+01				1.78E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.38E+01	J			1.88E+01				1.83E+01				1.51E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				5.80E-03	J			NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				1.10E-01	J			NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				ND				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				ND				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02									ND							
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				ND				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				ND				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				ND				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				ND				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				ND				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				ND				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-146Q-MW01				HR-146Q-MW02				HR-147Q-GP01				HR-147Q-MW01			
Parcel				HR-146Q				HR-146Q				HR-147Q				HR-147Q			
Sample Number				RK0026				RK0028				QN0002				QN0004			
Sample Date				1-Aug-02				31-Jul-02				24-Jul-02				25-Jul-02			
Sample Depth (Feet)				1 - 2				1 - 2				1.5 - 2				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.38E+04		YES	YES	1.21E+04			YES	1.00E+04			YES	1.07E+04			YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	4.35E+00			YES	2.69E+00			YES	2.95E+00			YES	3.31E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	8.84E+01	J			4.47E+01	J			8.71E+01				6.15E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	6.57E-01	J			ND				3.87E-01	J			ND			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	1.70E+02				5.84E+01	J			1.83E+02				1.96E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	2.44E+02		YES	YES	8.27E+00				7.31E+00				1.09E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	9.64E+00	J			3.35E+00				4.79E+00				2.52E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.11E+01				4.78E+00				3.39E+00				4.42E+00			
Iron	mg/kg	4.48E+04	2.34E+03	1.95E+04			YES	1.22E+04			YES	8.66E+03			YES	1.54E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.45E+01				8.99E+00				8.43E+00				9.96E+00			
Magnesium	mg/kg	7.66E+02	NA	3.85E+02				4.16E+02				3.83E+02				4.34E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	1.45E+03		YES	YES	9.33E+01				2.79E+02				7.75E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	5.38E-02	J			7.09E-02	J	YES		5.23E-02	J			4.04E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	1.10E+02		YES		4.03E+00				3.93E+00				4.16E+00			
Potassium	mg/kg	7.11E+02	NA	4.80E+02	J			3.50E+02	J			4.87E+02	J			4.83E+02	J		
Selenium	mg/kg	4.70E-01	3.91E+01	1.25E+00	B	YES		1.38E+00	B	YES		ND				5.89E-01	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	ND				ND				ND				ND			
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	2.22E+01				1.56E+01				1.09E+01				1.42E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.61E+01				2.84E+01				9.84E+00	J			1.15E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02													NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-147Q-MW02				HR-148Q-GP01				HR-148Q-GP02				HR-148Q-GP03			
Parcel				HR-147Q				HR-148Q				HR-148Q				HR-148Q			
Sample Number				QN0006				QS0002				QS0004				QS0006			
Sample Date				24-Jul-02				23-Jul-02				23-Jul-02				23-Jul-02			
Sample Depth (Feet)				1.5 - 2				1 - 2				2 - 3				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.03E+04			YES	1.47E+04		YES	YES	2.40E+04		YES	YES	1.49E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				5.08E+00	J	YES	YES	ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	2.95E+00			YES	3.64E+00			YES	4.99E+00			YES	4.31E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	5.94E+01				1.41E+02				1.04E+02				1.49E+02			
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				7.17E-01	J			5.48E-01	J			6.20E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	1.07E+02	J			2.71E+02				1.77E+02				6.03E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.09E+01				1.03E+01				1.82E+01				1.22E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	3.03E+00				6.09E+00				6.51E+00				6.56E+00			
Copper	mg/kg	1.94E+01	3.13E+02	5.90E+00				5.95E+01		YES		1.67E+01				7.86E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	1.37E+04			YES	1.16E+04			YES	1.73E+04			YES	1.10E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	6.23E+00				1.28E+03	J	YES	YES	5.64E+01	J	YES		4.68E+02	J	YES	YES
Magnesium	mg/kg	7.66E+02	NA	4.72E+02				7.09E+02				7.60E+02				6.15E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	9.63E+01				8.41E+02			YES	5.27E+02			YES	1.23E+03			YES
Mercury	mg/kg	7.00E-02	2.33E+00	4.56E-02	J			4.57E-02	J			9.29E-02	J	YES		5.30E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	3.25E+00				6.35E+00				7.70E+00				5.82E+00			
Potassium	mg/kg	7.11E+02	NA	7.08E+02				6.63E+02				6.33E+02				5.65E+02			
Selenium	mg/kg	4.70E-01	3.91E+01	ND				1.35E+00		YES		1.30E+00		YES		1.20E+00		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.67E+01	J			4.91E+01	B			5.18E+01	B			5.05E+01	B		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	1.72E+01				1.61E+01				3.04E+01				1.71E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.27E+01	J			2.72E+01				2.32E+01				3.36E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-148Q-MW01				HR-94Q-GP01				HR-94Q-GP03				HR-94Q-GP04			
Parcel				HR-148Q				HR-94Q				HR-94Q				HR-94Q			
Sample Number				QS0009				RJ0002				RJ0005				RJ0007			
Sample Date				22-Jul-02				5-Aug-02				30-Jul-02				30-Jul-02			
Sample Depth (Feet)				1 - 2				1 - 2				1 - 2				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.81E+04		YES	YES	8.22E+03			YES	2.00E+04		YES	YES	2.58E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	4.17E+00			YES	4.71E+00			YES	4.86E+00			YES	6.84E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	8.84E+01				1.43E+02	J			1.05E+02	J			1.44E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	4.10E-01	J			7.74E-01	J			6.58E-01	J			1.72E+00		YES	
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				5.62E-01	J	YES	
Calcium	mg/kg	6.37E+02	NA	3.08E+02				3.48E+02				1.39E+02				2.52E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	2.23E+01				8.81E+00				1.45E+01				1.78E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	6.57E+00				9.81E+00				7.20E+00				1.46E+01			
Copper	mg/kg	1.94E+01	3.13E+02	5.49E+01		YES		2.02E+01		YES		2.05E+01		YES		3.79E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	1.65E+04			YES	1.79E+04			YES	1.76E+04			YES	1.80E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	3.29E+02	J	YES		1.17E+02		YES		6.97E+01	J	YES		2.55E+02	J	YES	
Magnesium	mg/kg	7.66E+02	NA	6.28E+02				2.34E+02				9.55E+02		YES		1.21E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	4.33E+02			YES	7.48E+02	J		YES	5.88E+02	J		YES	1.45E+03	J	YES	YES
Mercury	mg/kg	7.00E-02	2.33E+00	6.89E-02	J			5.41E-02	J			6.50E-02	J			6.64E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	5.98E+00				5.37E+00				9.18E+00				1.46E+01		YES	
Potassium	mg/kg	7.11E+02	NA	5.62E+02	J			2.56E+02	B			1.10E+03		YES		1.05E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	9.96E-01	J	YES		8.12E-01	B	YES		8.72E-01	B	YES		1.59E+00		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	4.32E+01	B			2.43E+01	B			4.01E+01	B			8.48E+01	B		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				7.19E-01	B		YES	ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	2.46E+01				1.46E+01				2.42E+01				3.17E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.82E+01				1.93E+01				2.65E+01				3.96E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.10E-03	J			NR				NR				6.10E-02			
Acetone	mg/kg	NA	7.76E+02	1.00E-01	J			NR				NR				ND			
Toluene	mg/kg	NA	1.55E+03	ND				NR				NR				1.90E-03	J		
p-Cymene	mg/kg	NA	1.55E+03	ND				NR				NR				3.90E-03	J		
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	ND				NR				NR				ND			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	ND				NR				NR				ND			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	ND				NR				NR				ND			
Dieldrin	mg/kg	NA	3.88E-02	ND				NR				NR				1.90E-03	J		
Heptachlor	mg/kg	NA	1.40E-01	ND				NR				NR				ND			
alpha-Chlordane	mg/kg	NA	1.69E+00	ND				NR				NR				ND			
gamma-Chlordane	mg/kg	NA	1.69E+00	ND				NR				NR				ND			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-94Q-GP05				HR-94Q-GP07				HR-94Q-GP08				HR-94Q-GP09			
Parcel				HR-94Q				HR-94Q				HR-94Q				HR-94Q			
Sample Number				RJ0010				RJ0013				RJ0015				RJ0017			
Sample Date				31-Jul-02				30-Jul-02				30-Jul-02				5-Aug-02			
Sample Depth (Feet)				2 - 3				1 - 2				1 - 2				1 - 1.5			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	7.49E+03				2.28E+04		YES	YES	1.30E+04			YES	6.36E+03			
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.95E+00			YES	5.79E+00			YES	3.01E+00			YES	1.64E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	7.14E+01				8.31E+01	J			1.34E+02	J			1.07E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				1.65E+00		YES		6.16E-01	J			7.59E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				9.06E-01	J	YES		ND				ND			
Calcium	mg/kg	6.37E+02	NA	6.58E+01	J			1.40E+02				2.06E+02				1.83E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	5.33E+00				2.09E+01				9.53E+00				5.60E+00			
Cobalt	mg/kg	1.75E+01	4.68E+02	3.58E+00				4.73E+00				4.80E+00				5.59E+00			
Copper	mg/kg	1.94E+01	3.13E+02	6.43E+00				7.61E+00				3.23E+01		YES		7.96E+00			
Iron	mg/kg	4.48E+04	2.34E+03	7.52E+03			YES	2.28E+04			YES	9.70E+03			YES	9.78E+03			YES
Lead	mg/kg	3.85E+01	4.00E+02	4.10E+01		YES		1.06E+01	J			1.59E+02	J	YES		1.25E+01			
Magnesium	mg/kg	7.66E+02	NA	2.63E+02				1.08E+03		YES		6.39E+02				1.86E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	2.88E+02				8.28E+01	J			3.98E+02	J		YES	6.90E+02	J		YES
Mercury	mg/kg	7.00E-02	2.33E+00	4.22E-02	J			4.43E-02	J			3.83E-02	J			3.96E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	2.89E+00	B			9.84E+00				5.24E+00				3.71E+00			
Potassium	mg/kg	7.11E+02	NA	1.81E+02	B			1.34E+03		YES		6.55E+02				3.89E+02	B		
Selenium	mg/kg	4.70E-01	3.91E+01	ND				2.20E+00		YES		ND				5.48E-01	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	ND				1.08E+02	B			3.95E+01	B			ND			
Thallium	mg/kg	1.40E+00	5.08E-01	ND				1.11E+00	J		YES	ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	8.09E+00				2.94E+01				1.39E+01				5.95E+00			
Zinc	mg/kg	3.49E+01	2.34E+03	7.26E+00				3.06E+01				2.50E+01				2.00E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-94Q-GP10				HR-94Q-MW01				HR-94Q-MW02				HR-95Q-GP01			
Parcel				HR-94Q				HR-94Q				HR-94Q				HR-95Q			
Sample Number				RJ0019				RJ0022				RJ0024				QW0003			
Sample Date				5-Aug-02				30-Jul-02				5-Aug-02				12-Aug-02			
Sample Depth (Feet)				1 - 2				1 - 2				2 - 3				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.10E+04			YES	1.97E+04		YES	YES	7.77E+03				3.10E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	3.46E+00			YES	4.56E+00			YES	2.61E+00			YES	8.77E+00	J		YES
Barium	mg/kg	2.34E+02	5.47E+02	3.03E+01	J			6.55E+01	J			2.51E+02	J	YES		5.03E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				6.85E-01	J			6.88E-01	J			4.42E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	6.63E+01	J			1.21E+02				1.14E+03		YES		7.46E+01	J		
Chromium	mg/kg	3.83E+01	2.32E+01	9.80E+00				1.28E+01				6.02E+00				3.39E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	1.46E+00	J			1.01E+01				4.84E+00				3.02E+00			
Copper	mg/kg	1.94E+01	3.13E+02	6.04E+00				7.11E+00				3.55E+01		YES		1.55E+01			
Iron	mg/kg	4.48E+04	2.34E+03	2.06E+04			YES	1.35E+04			YES	8.52E+03			YES	3.96E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	7.40E+00				1.41E+01	J			3.65E+01				1.59E+01			
Magnesium	mg/kg	7.66E+02	NA	1.95E+02				9.83E+02		YES		2.41E+02				5.17E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	3.68E+01	J			5.85E+02	J		YES	9.04E+02	J		YES	2.48E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	6.74E-02	J			1.03E-01	J	YES		ND				2.11E-01		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	2.16E+00	B			1.09E+01				4.22E+00				9.33E+00			
Potassium	mg/kg	7.11E+02	NA	6.78E+02				7.61E+02		YES		5.80E+02				5.38E+02	J		
Selenium	mg/kg	4.70E-01	3.91E+01	6.63E-01	B	YES		9.16E-01	B	YES		ND				1.72E+00	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	ND				3.92E+01	B			2.37E+01	B			2.19E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	1.74E+01				2.50E+01				9.05E+00				5.48E+01			YES
Zinc	mg/kg	3.49E+01	2.34E+03	5.23E+00				2.56E+01				3.14E+01				2.19E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				2.90E-02				NR				ND			
Acetone	mg/kg	NA	7.76E+02	NR				ND				NR				4.00E-02	B		
Toluene	mg/kg	NA	1.55E+03	NR				5.20E-03				NR				2.00E-03	J		
p-Cymene	mg/kg	NA	1.55E+03	NR				2.30E-03	J			NR				ND			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				ND				NR				ND			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				ND				NR				ND			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				3.30E-03	J			NR				4.10E-03	J		
Dieldrin	mg/kg	NA	3.88E-02	NR				ND				NR				ND			
Heptachlor	mg/kg	NA	1.40E-01	NR				ND				NR				ND			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				ND				NR				ND			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				ND				NR				ND			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-95Q-GP02				HR-95Q-GP03				HR-95Q-GP04				HR-95Q-GP05			
Parcel				HR-95Q				HR-95Q				HR-95Q				HR-95Q			
Sample Number				QW0005				QW0007				QW0009				QW0011			
Sample Date				12-Aug-02				12-Aug-02				12-Aug-02				13-Aug-02			
Sample Depth (Feet)				1 - 2				1 - 2				1 - 2				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.53E+04		YES	YES	2.71E+04		YES	YES	1.57E+04		YES	YES	2.70E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				5.96E+00	J	YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	8.77E+00	J		YES	7.15E+00	J		YES	4.30E+00			YES	5.98E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	4.84E+01				9.93E+01				6.32E+01				6.74E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	4.53E-01	J			5.27E-01	J			5.28E-01	J			6.81E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	6.85E+01	J			1.06E+02	J			6.77E+01	J			1.98E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	2.60E+01			YES	2.49E+01			YES	1.78E+01				1.94E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	2.72E+00				7.66E+00				7.47E+00				1.17E+01			
Copper	mg/kg	1.94E+01	3.13E+02	1.34E+01				1.17E+01				1.59E+02		YES		4.42E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	4.01E+04			YES	3.09E+04			YES	2.87E+04			YES	2.76E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.49E+01				1.82E+01				3.68E+02		YES		1.41E+02		YES	
Magnesium	mg/kg	7.66E+02	NA	4.10E+02				5.40E+02				3.59E+02				6.63E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	1.95E+02	J			9.02E+02	J		YES	3.75E+02			YES	1.73E+03		YES	YES
Mercury	mg/kg	7.00E-02	2.33E+00	1.54E-01		YES		1.43E-01		YES		7.68E-02	J	YES		9.95E-02	J	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	7.14E+00				9.82E+00				7.20E+00				1.08E+01			
Potassium	mg/kg	7.11E+02	NA	6.32E+02				6.14E+02				7.54E+02		YES		7.37E+02		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	1.29E+00	J	YES		1.02E+00	J	YES		1.27E+00	B	YES		1.29E+00	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.69E+01	J			2.52E+01	J			2.38E+01	J			3.17E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	4.89E+01				4.16E+01				2.77E+01				3.70E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.78E+01	J			2.21E+01	J			3.66E+01		YES		2.99E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-95Q-GP06				HR-95Q-GP07				HR-95Q-GP08				HR-95Q-GP09			
Parcel				HR-95Q				HR-95Q				HR-95Q				HR-95Q			
Sample Number				QW0013				QW0023				QW0025				QW0027			
Sample Date				12-Aug-02				12-Aug-02				12-Aug-02				13-Aug-02			
Sample Depth (Feet)				2 - 3				1 - 2				2 - 3				1.5 - 2.5			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.10E+04		YES	YES	1.59E+04		YES	YES	3.28E+04		YES	YES	1.63E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	6.83E+00	J		YES	3.25E+00			YES	7.05E+00	J		YES	3.92E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	5.30E+01				9.33E+01				8.49E+01				1.01E+02			
Beryllium	mg/kg	8.60E-01	9.60E+00	4.07E-01	J			6.29E-01	J			9.45E-01	J	YES		1.08E+00	J	YES	
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	6.12E+01	J			7.35E+01	J			1.00E+02	J			1.68E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	2.13E+01				1.72E+01				1.81E+01				1.35E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	4.67E+00				7.98E+00				1.70E+01				7.54E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.23E+01				1.35E+01				1.18E+01				2.14E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.81E+04			YES	2.66E+04			YES	2.93E+04			YES	1.79E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.24E+01				1.78E+01				2.40E+01				9.27E+01		YES	
Magnesium	mg/kg	7.66E+02	NA	6.72E+02				4.60E+02				7.71E+02		YES		4.98E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	1.52E+02	J			5.59E+02			YES	3.46E+03	J	YES	YES	1.54E+03		YES	YES
Mercury	mg/kg	7.00E-02	2.33E+00	1.48E-01		YES		9.42E-02	J	YES		1.23E-01		YES		6.23E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	7.89E+00				8.46E+00				1.49E+01		YES		8.20E+00			
Potassium	mg/kg	7.11E+02	NA	1.12E+03		YES		9.71E+02		YES		6.25E+02				8.66E+02		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	1.35E+00	J	YES		1.02E+00	B	YES		1.52E+00	J	YES		ND			
Silver	mg/kg	2.40E-01	3.91E+01	ND				1.22E+00	J	YES		ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.71E+01	J			3.15E+01	J			2.71E+01	J			3.14E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	3.31E+01				2.81E+01				3.88E+01				2.23E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.17E+01	J			2.34E+01				3.14E+01	J			2.06E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-95Q-MW01				HR-95Q-MW02				HR-95Q-MW03				HR-96Q-GP01			
Parcel				HR-95Q				HR-95Q				HR-95Q				HR-96Q			
Sample Number				QW0015				QW0017				QW0019				QP0002			
Sample Date				12-Aug-02				13-Aug-02				12-Aug-02				22-Jul-02			
Sample Depth (Feet)				1 - 2				1 - 2				2 - 3				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.15E+04		YES	YES	1.06E+04			YES	1.77E+04		YES	YES	9.31E+03			YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				5.14E+00	J	YES	YES	ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	6.70E+00			YES	3.85E+00			YES	5.12E+00	J		YES	2.81E+00	J		YES
Barium	mg/kg	2.34E+02	5.47E+02	3.71E+01				5.16E+01				7.06E+01				1.21E+02			
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				4.59E-01	J			5.16E-01	J			5.15E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	6.39E+01	J			1.49E+02				2.77E+02				2.95E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	2.60E+01			YES	1.95E+01				1.52E+01				7.81E+00			
Cobalt	mg/kg	1.75E+01	4.68E+02	3.40E+00				9.48E+00				3.25E+01		YES		5.89E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.02E+02		YES		1.30E+02		YES		1.05E+01				3.87E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	3.76E+04			YES	2.21E+04			YES	2.05E+04			YES	8.94E+03			YES
Lead	mg/kg	3.85E+01	4.00E+02	2.85E+02		YES		2.38E+02		YES		2.12E+01				2.77E+02		YES	
Magnesium	mg/kg	7.66E+02	NA	4.12E+02				3.70E+02				6.29E+02				4.44E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	1.49E+02				5.84E+02			YES	7.05E+02	J		YES	6.34E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	1.18E-01		YES		5.38E-02	J			1.54E-01		YES		3.94E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	8.46E+00				6.64E+00				7.46E+00				5.73E+00			
Potassium	mg/kg	7.11E+02	NA	6.05E+02				9.89E+02		YES		9.44E+02		YES		4.05E+02	B		
Selenium	mg/kg	4.70E-01	3.91E+01	9.01E-01	B	YES		9.57E-01	B	YES		1.10E+00	J	YES		1.05E+00	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	3.33E+01	J			2.67E+01	J			2.73E+01	J			2.36E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	4.51E+01				1.87E+01				2.30E+01				1.09E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.51E+01				2.76E+01				2.01E+01	J			1.96E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-96Q-GP02				HR-96Q-GP03				HR-96Q-GP04				HR-96Q-MW01			
Parcel				HR-96Q				HR-96Q				HR-96Q				HR-96Q			
Sample Number				QP0004				QP0007				QP0009				QP0011			
Sample Date				22-Jul-02				22-Jul-02				22-Jul-02				22-Jul-02			
Sample Depth (Feet)				1.5 - 2.5				1 - 2				1 - 2				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.32E+04			YES	2.92E+04		YES	YES	1.90E+04		YES	YES	3.32E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	3.40E+00	J		YES	5.95E+00	J		YES	5.33E+00	J		YES	4.80E+00	J		YES
Barium	mg/kg	2.34E+02	5.47E+02	8.61E+01				8.63E+01				3.89E+01				4.35E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	5.30E-01	J			ND				ND				ND			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	1.74E+02				3.70E+02				7.82E+02		YES		1.30E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	9.57E+00				2.50E+01			YES	2.13E+01				3.34E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	5.43E+00				2.49E+00				2.02E+00	J			1.83E+00	J		
Copper	mg/kg	1.94E+01	3.13E+02	7.89E+00				9.29E+00				1.90E+01				8.47E+00			
Iron	mg/kg	4.48E+04	2.34E+03	1.25E+04			YES	2.35E+04			YES	2.88E+04			YES	2.60E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	2.15E+01				1.18E+01				1.04E+01				1.08E+01			
Magnesium	mg/kg	7.66E+02	NA	5.54E+02				7.59E+02				8.19E+02		YES		5.42E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	5.97E+02			YES	7.56E+01				6.76E+01				4.54E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	3.92E-02	J			1.11E-01	J	YES		1.18E-01		YES		2.26E-01		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	5.36E+00				7.05E+00				3.97E+00				6.44E+00			
Potassium	mg/kg	7.11E+02	NA	6.87E+02				5.97E+02	B			6.13E+02	B			5.73E+02	B		
Selenium	mg/kg	4.70E-01	3.91E+01	9.63E-01	B	YES		1.42E+00	B	YES		1.97E+00	J	YES		1.72E+00	B	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	3.07E+01	J			3.16E+01	J			2.50E+01	J			2.53E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	1.74E+01				4.11E+01				3.48E+01				4.96E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.64E+01	J			2.13E+01	J			1.47E+01	J			1.94E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				ND				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				4.00E-02	J			NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				ND				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				ND				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				7.20E-02	J			NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				1.60E-01	J			NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				ND				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				ND				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				ND				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				ND				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				ND				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-97Q-GP01				HR-97Q-GP02				HR-97Q-GP03				HR-97Q-GP04			
Parcel				HR-97Q				HR-97Q				HR-97Q				HR-97Q			
Sample Number				QL0002				QL0004				QL0006				QL0008			
Sample Date				23-Jul-02				23-Jul-02				23-Jul-02				25-Jul-02			
Sample Depth (Feet)				1.5 - 2.5				1 - 2				2.5 - 3.5				2 - 3			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.46E+04		YES	YES	1.90E+04		YES	YES	2.42E+04		YES	YES	3.47E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	3.36E+00			YES	5.54E+00			YES	7.41E+00			YES	9.89E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	7.67E+01				1.11E+02				9.42E+01				1.19E+02			
Beryllium	mg/kg	8.60E-01	9.60E+00	6.92E-01	J			8.41E-01	J			8.86E-01	J	YES		9.20E-01	J	YES	
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	9.01E+01	J			6.03E+03		YES		1.58E+02				2.37E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	9.11E+00				1.65E+01				7.13E+01		YES	YES	3.80E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	1.45E+01				1.12E+01				9.88E+00				1.08E+01			
Copper	mg/kg	1.94E+01	3.13E+02	6.24E+00				1.94E+01				1.05E+01				1.94E+01			
Iron	mg/kg	4.48E+04	2.34E+03	1.36E+04			YES	3.81E+04			YES	4.39E+04			YES	4.81E+04		YES	YES
Lead	mg/kg	3.85E+01	4.00E+02	2.82E+01	J			1.05E+02	J	YES		4.43E+01	J	YES		2.80E+01	J		
Magnesium	mg/kg	7.66E+02	NA	4.34E+02				4.00E+03		YES		4.61E+02				8.68E+02		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.83E+03		YES	YES	2.26E+03		YES	YES	9.71E+02			YES	5.98E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	7.74E-02	J	YES		1.08E-01	J	YES		7.96E-02	J	YES		1.02E-01	J	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	6.96E+00				1.32E+01		YES		8.59E+00				1.47E+01		YES	
Potassium	mg/kg	7.11E+02	NA	2.74E+02	J			6.35E+02				3.06E+02	J			7.83E+02		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	8.49E-01	J	YES		1.83E+00		YES		2.08E+00		YES		1.45E+00		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.20E+01	J			3.93E+01	J			ND				3.15E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				1.11E+00	J		YES	1.25E+00	J		YES	1.68E+00	J	YES	YES
Vanadium	mg/kg	6.49E+01	5.31E+01	1.89E+01				2.39E+01				3.95E+01				6.52E+01		YES	YES
Zinc	mg/kg	3.49E+01	2.34E+03	1.71E+01	J			1.52E+03	J	YES		1.97E+01	J			3.63E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				1.30E-02	J		
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				2.70E-01	J		
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				1.50E-03	J		
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				4.10E-03	J		
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				ND			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				ND			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				ND			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				ND			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				2.20E-03	J		
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				1.50E-03	J		
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				1.50E-03	J		
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-97Q-GP05				HR-97Q-GP06				HR-97Q-GP07				HR-97Q-GP08			
Parcel				HR-97Q				HR-97Q				HR-97Q				HR-97Q			
Sample Number				QL0011				QL0013				QL0015				QL0017			
Sample Date				24-Jul-02				29-Jul-02				25-Jul-02				25-Jul-02			
Sample Depth (Feet)				2.5 - 3.5				1 - 2				2 - 3				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	3.57E+04		YES	YES	1.85E+04		YES	YES	1.58E+04		YES	YES	2.42E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.06E+01			YES	3.90E+00			YES	4.30E+00			YES	4.29E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	1.07E+02				4.47E+01				7.57E+01				2.10E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	8.38E-01	J			ND				4.30E-01	J			ND			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	2.08E+02				1.55E+02				1.03E+02	J			6.70E+01	J		
Chromium	mg/kg	3.83E+01	2.32E+01	2.48E+01			YES	2.20E+01				1.46E+01				3.54E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	1.09E+01				1.76E+00	J			1.22E+01				ND			
Copper	mg/kg	1.94E+01	3.13E+02	1.42E+01				1.19E+01				6.11E+00				1.14E+01			
Iron	mg/kg	4.48E+04	2.34E+03	3.90E+04			YES	2.27E+04			YES	2.02E+04			YES	3.40E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	2.66E+01	J			5.16E+01		YES		2.95E+01				2.13E+01			
Magnesium	mg/kg	7.66E+02	NA	9.59E+02		YES		3.87E+02				3.61E+02				2.68E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	8.90E+02			YES	4.75E+01				8.14E+02			YES	3.26E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	1.09E-01	J	YES		9.60E-02	J	YES		1.38E-01		YES		2.34E-01		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	1.50E+01		YES		4.14E+00				7.20E+00				2.53E+00	B		
Potassium	mg/kg	7.11E+02	NA	6.39E+02				1.89E+02	B			1.44E+02	B			1.16E+02	B		
Selenium	mg/kg	4.70E-01	3.91E+01	1.85E+00		YES		5.50E-01	J	YES		5.43E-01	J	YES		ND			
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.32E+01	J			ND				2.24E+01	B			2.38E+01	B		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	5.55E+01			YES	3.21E+01				2.69E+01				5.72E+01			YES
Zinc	mg/kg	3.49E+01	2.34E+03	3.45E+01	J			1.45E+01				1.35E+01				1.04E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	NR				NR				NR				NR			
Acetone	mg/kg	NA	7.76E+02	NR				NR				NR				NR			
Toluene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
p-Cymene	mg/kg	NA	1.55E+03	NR				NR				NR				NR			
SEMIVOLATILE ORGANIC COMPOUNDS																			
Fluoranthene	mg/kg	NA	3.09E+02	NR				NR				NR				NR			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				NR				NR				NR			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	NR				NR				NR				NR			
Dieldrin	mg/kg	NA	3.88E-02	NR				NR				NR				NR			
Heptachlor	mg/kg	NA	1.40E-01	NR				NR				NR				NR			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				NR				NR				NR			
EXPLOSIVES																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND				ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location				HR-97Q-GP09				HR-97Q-MW01			
Parcel				HR-97Q				HR-97Q			
Sample Number				QL0019				QL0022			
Sample Date				23-Jul-02				24-Jul-02			
Sample Depth (Feet)				1 - 2				1.5 - 2.5			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS											
Aluminum	mg/kg	1.36E+04	7.80E+03	7.99E+03			YES	7.02E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	2.96E+00			YES	1.28E+01			YES
Barium	mg/kg	2.34E+02	5.47E+02	9.59E+01				1.20E+02			
Beryllium	mg/kg	8.60E-01	9.60E+00	5.31E-01	J			6.91E-01	J		
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND			
Calcium	mg/kg	6.37E+02	NA	2.10E+02				1.24E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	8.20E+00				4.43E+01		YES	YES
Cobalt	mg/kg	1.75E+01	4.68E+02	3.37E+00				4.97E+00			
Copper	mg/kg	1.94E+01	3.13E+02	5.83E+00				1.87E+01			
Iron	mg/kg	4.48E+04	2.34E+03	9.35E+03			YES	4.90E+04		YES	YES
Lead	mg/kg	3.85E+01	4.00E+02	2.75E+01	J			2.40E+01	J		
Magnesium	mg/kg	7.66E+02	NA	3.70E+02				7.84E+02		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	4.40E+02			YES	2.31E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	ND				1.43E-01		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	2.32E+00	B			1.64E+01		YES	
Potassium	mg/kg	7.11E+02	NA	3.24E+02	J			6.45E+02			
Selenium	mg/kg	4.70E-01	3.91E+01	ND				2.02E+00		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND			
Sodium	mg/kg	7.02E+02	NA	2.15E+01	J			3.56E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	9.78E+00				8.18E+01		YES	YES
Zinc	mg/kg	3.49E+01	2.34E+03	1.36E+01	J			3.74E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS											
2-Butanone	mg/kg	NA	4.66E+03	NR				ND			
Acetone	mg/kg	NA	7.76E+02	NR				5.20E-02	J		
Toluene	mg/kg	NA	1.55E+03	NR				ND			
p-Cymene	mg/kg	NA	1.55E+03	NR				ND			
SEMIVOLATILE ORGANIC COMPOUNDS											
Fluoranthene	mg/kg	NA	3.09E+02	NR				ND			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	NR				ND			
PESTICIDES											
4,4'-DDT	mg/kg	NA	1.79E+00	NR				ND			
Dieldrin	mg/kg	NA	3.88E-02	NR				ND			
Heptachlor	mg/kg	NA	1.40E-01	NR				ND			
alpha-Chlordane	mg/kg	NA	1.69E+00	NR				ND			
gamma-Chlordane	mg/kg	NA	1.69E+00	NR				ND			
EXPLOSIVES											
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND			
2-Amino-4,6-dinitrotoluene	mg/kg	NA	4.64E-01	ND				ND			

Table 2-4

Subsurface Soil Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998, *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.
[b] Residential human health site-specific screening level (SSSL) as given in IT, 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.
B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit.
J - Compound was positively identified; reported value is an estimated concentration.
mg/kg - Milligrams per kilogram.
NA - Not available.
ND - Not detected.
NR - Not requested.
Qual - Data validation qualifier.

Table 2-5

Groundwater Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Fort McClellan, Calhoun County, Alabama

Sample Location / Parcel / Sample Number / Sample Date				HR-145Q-MW01 / HR-145Q / QR3001 / 14-Aug-02				HR-145Q-MW02 / HR-145Q / QR3003 / 12-Aug-02				HR-146Q-MW01 / HR-146Q / RK3001 / 28-Aug-02			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS, DISSOLVED															
Aluminum	mg/L	2.34E+00	1.56E+00	NR				NR				NR			
Barium	mg/L	1.27E-01	1.10E-01	NR				NR				NR			
Calcium	mg/L	5.65E+01	NA	NR				NR				NR			
Iron	mg/L	7.04E+00	4.69E-01	NR				NR				NR			
Lead	mg/L	8.00E-03	1.50E-02	NR				NR				NR			
Magnesium	mg/L	2.13E+01	NA	NR				NR				NR			
Manganese	mg/L	5.81E-01	7.35E-02	NR				NR				NR			
Potassium	mg/L	7.20E+00	NA	NR				NR				NR			
Selenium	mg/L	NA	7.82E-03	NR				NR				NR			
Sodium	mg/L	1.48E+01	NA	NR				NR				NR			
METALS, TOTAL															
Aluminum	mg/L	2.34E+00	1.56E+00	1.66E-01	B			2.36E-01	B			1.94E+00			YES
Arsenic	mg/L	1.78E-02	4.46E-05	ND				ND				3.79E-03	J		YES
Barium	mg/L	1.27E-01	1.10E-01	1.55E-02				3.11E-02				1.37E-02			
Calcium	mg/L	5.65E+01	NA	8.79E-01	J			3.50E+00				5.63E-01	J		
Cobalt	mg/L	2.34E-02	9.39E-02	1.86E-02	J			2.04E-02				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.22E-01	J			6.75E-01	J		YES	7.75E-01	J		YES
Lead	mg/L	8.00E-03	1.50E-02	ND				ND				ND			
Magnesium	mg/L	2.13E+01	NA	5.53E-01	J			1.23E+00				2.71E-01	J		
Manganese	mg/L	5.81E-01	7.35E-02	1.17E-01			YES	1.69E+00		YES	YES	2.72E-01			YES
Potassium	mg/L	7.20E+00	NA	2.27E+00	J			1.62E+00	B			1.85E+00	J		
Selenium	mg/L	NA	7.82E-03	ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	8.31E-01	J			9.30E-01	J			7.89E-01	J		
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS															
Methylene chloride	mg/L	NA	7.85E-03	NR				NR				NR			
EXPLOSIVES															
1,3,5-Trinitrobenzene	mg/L	NA	4.69E-02	ND				ND				ND			
2,4,6-Trinitrotoluene	mg/L	NA	2.23E-03	ND				ND				ND			

Table 2-5

Groundwater Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Fort McClellan, Calhoun County, Alabama

Sample Location Parcel Sample Number Sample Date				HR-146Q-MW02 HR-146Q RK3002 29-Aug-02				HR-147Q-MW02 HR-147Q QN3002 23-Aug-02				HR-148Q-MW01 HR-148Q QS3001 14-Aug-02			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS, DISSOLVED															
Aluminum	mg/L	2.34E+00	1.56E+00	NR				NR				NR			
Barium	mg/L	1.27E-01	1.10E-01	NR				NR				NR			
Calcium	mg/L	5.65E+01	NA	NR				NR				NR			
Iron	mg/L	7.04E+00	4.69E-01	NR				NR				NR			
Lead	mg/L	8.00E-03	1.50E-02	NR				NR				NR			
Magnesium	mg/L	2.13E+01	NA	NR				NR				NR			
Manganese	mg/L	5.81E-01	7.35E-02	NR				NR				NR			
Potassium	mg/L	7.20E+00	NA	NR				NR				NR			
Selenium	mg/L	NA	7.82E-03	NR				NR				NR			
Sodium	mg/L	1.48E+01	NA	NR				NR				NR			
METALS, TOTAL															
Aluminum	mg/L	2.34E+00	1.56E+00	5.55E-01				5.83E-02	B			ND			
Arsenic	mg/L	1.78E-02	4.46E-05	ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	2.30E-02				1.40E-02				1.30E-02			
Calcium	mg/L	5.65E+01	NA	8.34E-01	J			1.24E+00				2.34E+00			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.47E-01	J			6.74E-02	J			3.09E-02	J		
Lead	mg/L	8.00E-03	1.50E-02	1.61E-03	J			ND				1.38E-03	J		
Magnesium	mg/L	2.13E+01	NA	3.56E-01	J			7.09E-01	J			9.27E-01	J		
Manganese	mg/L	5.81E-01	7.35E-02	1.48E-01			YES	3.91E-01			YES	6.54E-02	J		
Potassium	mg/L	7.20E+00	NA	1.57E+00	J			2.44E+00	J			1.37E+00	J		
Selenium	mg/L	NA	7.82E-03	ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	8.23E-01	J			1.07E+00				7.62E-01	J		
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS															
Methylene chloride	mg/L	NA	7.85E-03	NR				NR				4.30E-04	B		
EXPLOSIVES															
1,3,5-Trinitrobenzene	mg/L	NA	4.69E-02	ND				ND				3.20E-04	J		
2,4,6-Trinitrotoluene	mg/L	NA	2.23E-03	ND				ND				ND			

Table 2-5

Groundwater Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Fort McClellan, Calhoun County, Alabama

Sample Location Parcel Sample Number Sample Date				HR-94Q-MW01 HR-94Q RJ3001 10-Sep-02				HR-94Q-MW02 HR-94Q RJ3003 4-Sep-02				HR-95Q-MW01 HR-95Q QW3001 22-Aug-02			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS, DISSOLVED															
Aluminum	mg/L	2.34E+00	1.56E+00	5.99E-01				NR				NR			
Barium	mg/L	1.27E-01	1.10E-01	2.17E-02				NR				NR			
Calcium	mg/L	5.65E+01	NA	2.05E+00				NR				NR			
Iron	mg/L	7.04E+00	4.69E-01	7.21E-01	J		YES	NR				NR			
Lead	mg/L	8.00E-03	1.50E-02	1.50E-03	J			NR				NR			
Magnesium	mg/L	2.13E+01	NA	1.13E+00				NR				NR			
Manganese	mg/L	5.81E-01	7.35E-02	1.98E-01			YES	NR				NR			
Potassium	mg/L	7.20E+00	NA	2.92E+00	J			NR				NR			
Selenium	mg/L	NA	7.82E-03	3.37E-03	B			NR				NR			
Sodium	mg/L	1.48E+01	NA	9.12E-01	B			NR				NR			
METALS, TOTAL															
Aluminum	mg/L	2.34E+00	1.56E+00	1.22E+00				1.43E-01	B			1.55E-01	B		
Arsenic	mg/L	1.78E-02	4.46E-05	ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	3.27E-02				2.19E-02				1.33E-02			
Calcium	mg/L	5.65E+01	NA	2.03E+00				1.49E+00				2.17E+00			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				1.39E-02	J		
Iron	mg/L	7.04E+00	4.69E-01	1.83E+00			YES	1.18E-01	J			3.39E-01	J		
Lead	mg/L	8.00E-03	1.50E-02	2.84E-03	J			ND				ND			
Magnesium	mg/L	2.13E+01	NA	1.16E+00				6.79E-01	J			1.01E+00			
Manganese	mg/L	5.81E-01	7.35E-02	2.76E-01			YES	4.06E-01			YES	2.92E-01			YES
Potassium	mg/L	7.20E+00	NA	3.36E+00	J			3.98E+00	J			2.68E+00	J		
Selenium	mg/L	NA	7.82E-03	4.62E-03	B			3.33E-03	B			ND			
Sodium	mg/L	1.48E+01	NA	8.77E-01	B			1.09E+00	B			1.26E+00			
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND				1.09E-01			
VOLATILE ORGANIC COMPOUNDS															
Methylene chloride	mg/L	NA	7.85E-03	ND				NR				NR			
EXPLOSIVES															
1,3,5-Trinitrobenzene	mg/L	NA	4.69E-02	ND				ND				ND			
2,4,6-Trinitrotoluene	mg/L	NA	2.23E-03	ND				ND				ND			

Table 2-5

Groundwater Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Fort McClellan, Calhoun County, Alabama

Sample Location Parcel Sample Number Sample Date				HR-95Q-MW02 HR-95Q QW3002 20-Aug-02				HR-95Q-MW03 HR-95Q QW3004 21-Aug-02				HR-96Q-MW01 HR-96Q QP3001 15-Aug-02			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS, DISSOLVED															
Aluminum	mg/L	2.34E+00	1.56E+00	NR				NR				NR			
Barium	mg/L	1.27E-01	1.10E-01	NR				NR				NR			
Calcium	mg/L	5.65E+01	NA	NR				NR				NR			
Iron	mg/L	7.04E+00	4.69E-01	NR				NR				NR			
Lead	mg/L	8.00E-03	1.50E-02	NR				NR				NR			
Magnesium	mg/L	2.13E+01	NA	NR				NR				NR			
Manganese	mg/L	5.81E-01	7.35E-02	NR				NR				NR			
Potassium	mg/L	7.20E+00	NA	NR				NR				NR			
Selenium	mg/L	NA	7.82E-03	NR				NR				NR			
Sodium	mg/L	1.48E+01	NA	NR				NR				NR			
METALS, TOTAL															
Aluminum	mg/L	2.34E+00	1.56E+00	ND				ND				2.87E-01			
Arsenic	mg/L	1.78E-02	4.46E-05	ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	7.63E-03	J			1.26E-02				1.27E-02			
Calcium	mg/L	5.65E+01	NA	9.59E-01	J			1.08E+00				1.93E+00			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				2.29E-02			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	1.05E-02	J			3.74E-02	J			5.20E-01	J		YES
Lead	mg/L	8.00E-03	1.50E-02	ND				ND				ND			
Magnesium	mg/L	2.13E+01	NA	4.01E-01	J			5.87E-01	J			7.60E-01	J		
Manganese	mg/L	5.81E-01	7.35E-02	7.94E-02	J		YES	4.50E-02	J			2.37E-01			YES
Potassium	mg/L	7.20E+00	NA	2.43E+00	J			ND				2.35E+00	B		
Selenium	mg/L	NA	7.82E-03	ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	8.91E-01	J			7.89E-01	B			1.40E+00			
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS															
Methylene chloride	mg/L	NA	7.85E-03	ND				NR				NR			
EXPLOSIVES															
1,3,5-Trinitrobenzene	mg/L	NA	4.69E-02	ND				ND				ND			
2,4,6-Trinitrotoluene	mg/L	NA	2.23E-03	ND				ND				6.80E-04	J		

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998, *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.

[b] Residential human health site-specific screening level (SSSL) as given in IT, 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit.

J - Compound was positively identified; reported value is an estimated concentration.

mg/L - Milligrams per liter.

NA - Not available.

ND - Not detected.

NR - Not requested.

Qual - Data validation qualifier.

Table 2-6

Surface Water Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Fort McClellan, Calhoun County, Alabama

Sample Location / Parcel / Sample Number / Sample Date					HR-131Q-SW/SD01 HR-131Q QY2001 18-Jul-02					HR-145Q-SW/SD02 HR-145Q QR2003R 6-Sep-02					HR-95Q-SW/SD01 HR-95Q QW2001 18-Jul-02				
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**ESV[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**>ESV**	**Result**	**Qual**	**>BKG**	**>SSSL**	**>ESV**	**Result**	**Qual**	**>BKG**	**>SSSL**	**>ESV**
METALS																			
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	1.62E-01	J			YES	3.38E-01				YES	1.17E-01	J			YES
Barium	mg/L	7.54E-02	1.10E+00	3.90E-03	2.27E-02				YES	3.46E-02				YES	2.18E-02				YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	9.13E-01	J				3.78E-01	J				2.65E-01	J			
Cobalt	mg/L	NA	9.31E-01	3.00E-03	1.83E-02	J			YES	ND					ND				
Copper	mg/L	1.27E-02	6.23E-01	6.54E-03	6.28E-03	J				ND					6.90E-03	J			YES
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	3.32E-01	J				5.37E-01	J				7.07E-01	J			
Lead	mg/L	8.67E-03	1.50E-02	1.32E-03	ND					2.35E-03	J			YES	ND				
Magnesium	mg/L	1.10E+01	NA	8.20E+01	3.04E-01	J				4.12E-01	J				3.24E-01	J			
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	9.78E-03	J				5.89E-02	J				2.86E-02	J			
Potassium	mg/L	2.56E+00	NA	5.30E+01	1.32E+00	J				2.62E+00	J	YES			2.29E+00	J			
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.16E+00					1.08E+00					1.16E+00				
VOLATILE ORGANIC COMPOUNDS																			
Methylene chloride	mg/L	NA	1.42E-01	1.93E+00	NR					NR					3.00E-04	B			

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998, *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.

[b] Recreational site user site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT, 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit.
J - Compound was positively identified; reported value is an estimated concentration.
mg/L - Milligrams per liter.
NA - Not available.
ND - Not detected.
NR - Not requested.
Qual - Data validation qualifier.

Table 2-7

Sediment Analytical Results
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location					HR-131Q-SW/SD01					HR-145Q-SW/SD02					HR-95Q-SW/SD01				
Parcel					HR-131Q					HR-145Q					HR-95Q				
Sample Number					QY1001					QR1002R					QW1001				
Sample Date					18-Jul-02					6-Sep-02					18-Jul-02				
Sample Depth (Feet)					0- .5					0- .5					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	8.59E+03	1.15E+06		6.66E+03					2.62E+03					4.14E+03	J			
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	3.18E+00					2.34E+00					2.60E+00	J			
Barium	mg/kg	9.89E+01	8.36E+04	NA	1.25E+02		YES			8.01E+01					6.29E+01	J			
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	6.50E-01	J				6.13E-01	J				4.86E-01	J			
Calcium	mg/kg	1.11E+03	NA	NA	4.99E+02					2.50E+02					1.66E+02	J			
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	1.60E+01					4.73E+00					6.38E+00				
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	1.93E+01		YES			3.87E+00					4.10E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	2.95E+01		YES		YES	7.97E+00					1.58E+01	J			
Iron	mg/kg	3.53E+04	3.59E+05	NA	1.50E+04					1.83E+04					1.51E+04				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	3.04E+01				YES	1.94E+01					3.47E+01	J			YES
Magnesium	mg/kg	9.06E+02	NA	NA	3.11E+02					1.99E+02					1.85E+02	J			
Manganese	mg/kg	7.12E+02	4.38E+04	NA	9.02E+02		YES			3.16E+02					2.51E+02	J			
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	9.51E+00					3.93E+00					2.52E+00				
Potassium	mg/kg	1.01E+03	NA	NA	9.09E+02					1.12E+03		YES			9.56E+02				
Selenium	mg/kg	7.20E-01	5.96E+03	NA	9.19E-01	J	YES			ND					7.36E-01	J	YES		
Sodium	mg/kg	6.92E+02	NA	NA	ND					2.37E+01	J				2.32E+01	J			
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	1.11E+01					6.58E+00					8.39E+00				
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	3.42E+01					7.04E+00					1.05E+01	J			
TOTAL ORGANIC CARBON																			
Total Organic Carbon	mg/kg	NA	NA	NA	3.73E+04					3.53E+03					8.86E+03				
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	1.03E+05	4.53E-01	NR					NR					5.40E-02	J			

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998, *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.

[b] Recreational site user site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT, 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit.
J - Compound was positively identified; reported value is an estimated concentration.
mg/kg - Milligrams per kilogram.
NA - Not available.
ND - Not detected.
NR - Not requested.
Qual - Data validation qualifier.

Table 3-1

Summary of Data Quality Objectives
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Remedial Investigation
Fort McClellan, Calhoun County, Alabama

Users	Available Data	Conceptual Site Model	Media of Concern	Data Uses and Objectives	Data Types	Analytical Level	Data Quantity
EPA, ADEM USACE, DOD FTMC, IT Corporation Other contractors, and possible future land users	Previous site investigations by IT show potential metals contamination in soil.	Contaminant Source Parcels 94Q, 95Q, 96Q, 97Q, 131Q-X, 144Q-X, 145Q-X, 146Q, 147Q-X, 148Q-X Migration Pathways Rain runoff and erosion to surface soil, infiltration and leaching to subsurface soil and groundwater, dust emissions and volatilization to ambient air, runoff to surface water, erosion to sediment, biotransfer to deer through browsing, and ecological receptors through food web interactions. Potential Human Health Receptors Recreational site user (current and future) Resident (future) Potential Ecological Receptors Terrestrial and aquatic plants Terrestrial and aquatic herbivores Terrestrial and aquatic invertivores Terrestrial and aquatic carnivores Piscivores PSSC Primarily metals in soil	Surface soil Subsurface Soil Groundwater Surface water Sediment	RI to delineate vertical and horizontal extent of contamination in the site media Definitive quality data for future decision-making	Surface soil VOCs, SVOCs, metals, nitroaromatic/nitramine explosives, chlorinated and organophosphorus pesticides, chlorinated herbicides and PCBs	Definitive data in data packages (as defined in USACE EM200-1-6)	100 surface soil samples + QC
					Subsurface Soil VOCs, SVOCs, metals, nitroaromatic/nitramine explosives, chlorinated and organophosphorus pesticides, chlorinated herbicides and PCBs	Definitive data in data packages (as defined in USACE EM200-1-6)	100 subsurface soil samples + QC
					Groundwater VOCs, SVOCs, metals, nitroaromatic/nitramine explosives, chlorinated and organophosphorus pesticides, chlorinated herbicides and PCBs	Definitive data in data packages (as defined in USACE EM200-1-6)	25 groundwater samples + QC
					Surface water VOCs, SVOCs, metals, nitroaromatic/nitramine explosives, chlorinated and organophosphorus pesticides, chlorinated herbicides and PCBs	Definitive data in data packages (as defined in USACE EM200-1-6)	30 surface water samples + QC
					Sediment VOCs, SVOCs, metals, nitroaromatic/nitramine explosives, chlorinated and organophosphorus pesticides, chlorinated herbicides and PCBs; plus TOC and grain size	Definitive data in data packages (as defined in USACE EM200-1-6)	30 sediment samples + QC

ADEM - Alabama Department of Environmental Management.
EPA - U.S. Environmental Protection Agency.
FTMC - Fort McClellan.
PSSC - Potential site-specific chemical.
QC - Quality control.
RI - Remedial investigation.
TOC - Total organic carbon
PCB - polychlorinated biphenyls
VOC - Volatile Organic Compounds.
SVOC - Semi-volatile Organic Compounds.
EM200-1-6 - USACE Engineering Manual, Chemical Quality Assurance for HTRW Projects, October 10, 1997.
USACE - U.S. Army Corps of Engineers.

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
0, 0	**694829**	**1175583**
0, N200	694829	1175783
0, N400	694829	1175983
0, N600	694829	1176183
0, N800	694829	1176383
0, N1000	694829	1176583
0, N1200	694829	1176783
0, N1400	694829	1176983
0, N1600	694829	1177183
0, N1800	694829	1177383
0, N2000	694829	1177583
0, N2200	694829	1177783
0, N2400	694829	1177983
0, N2600	694829	1178183
0, S200	694829	1175383
0, S400	694829	1175183
0, S600	694829	1174983
0, S800	694829	1174783
0, S1000	694829	1174583
0, S1200	694829	1174383
0, S1400	694829	1174183
0, S1600	694829	1173983
0, S1800	694829	1173783
0, S2000	694829	1173583
0, S2200	694829	1173383
0, S2400	694829	1173183
E200, 0	695029	1175583
E200, N200	695029	1175783
E200, N400	695029	1175983
E200, N600	695029	1176183
E200, N800	695029	1176383
E200, N1000	695029	1176583
E200, N1200	695029	1176783
E200, N1400	695029	1176983
E200, N1600	695029	1177183
E200, N1800	695029	1177383
E200, N2000	695029	1177583
E200, N2200	695029	1177783
E200, N2400	695029	1177983
E200, N2600	695029	1178183
E200, S200	695029	1175383
E200, S400	695029	1175183
E200, S600	695029	1174983
E200, S800	695029	1174783
E200, S1000	695029	1174583
E200, S1200	695029	1174383
E200, S1400	695029	1174183
E200, S1600	695029	1173983
E200, S1800	695029	1173783
E200, S2000	695029	1173583
E200, S2200	695029	1173383
E200, S2400	695029	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
E400, 0	695229	1175583
E400, N200	695229	1175783
E400, N400	695229	1175983
E400, N600	695229	1176183
E400, N800	695229	1176383
E400, N1000	695229	1176583
E400, N1200	695229	1176783
E400, N1400	695229	1176983
E400, N1600	695229	1177183
E400, N1800	695229	1177383
E400, N2000	695229	1177583
E400, N2200	695229	1177783
E400, N2400	695229	1177983
E400, N2600	695229	1178183
E400, S200	695229	1175383
E400, S400	695229	1175183
E400, S600	695229	1174983
E400, S800	695229	1174783
E400, S1000	695229	1174583
E400, S1200	695229	1174383
E400, S1400	695229	1174183
E400, S1600	695229	1173983
E400, S1800	695229	1173783
E400, S2000	695229	1173583
E400, S2200	695229	1173383
E400, S2400	695229	1173183
E600, 0	695429	1175583
E600, N200	695429	1175783
E600, N400	695429	1175983
E600, N600	695429	1176183
E600, N800	695429	1176383
E600, N1000	695429	1176583
E600, N1200	695429	1176783
E600, N1400	695429	1176983
E600, N1600	695429	1177183
E600, N1800	695429	1177383
E600, N2000	695429	1177583
E600, N2200	695429	1177783
E600, N2400	695429	1177983
E600, N2600	695429	1178183
E600, S200	695429	1175383
E600, S400	695429	1175183
E600, S600	695429	1174983
E600, S800	695429	1174783
E600, S1000	695429	1174583
E600, S1200	695429	1174383
E600, S1400	695429	1174183
E600, S1600	695429	1173983
E600, S1800	695429	1173783
E600, S2000	695429	1173583
E600, S2200	695429	1173383
E600, S2400	695429	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
E800, 0	695629	1175583
E800, N200	695629	1175783
E800, N400	695629	1175983
E800, N600	695629	1176183
E800, N800	695629	1176383
E800, N1000	695629	1176583
E800, N1200	695629	1176783
E800, N1400	695629	1176983
E800, N1600	695629	1177183
E800, N1800	695629	1177383
E800, N2000	695629	1177583
E800, N2200	695629	1177783
E800, N2400	695629	1177983
E800, N2600	695629	1178183
E800, S200	695629	1175383
E800, S400	695629	1175183
E800, S600	695629	1174983
E800, S800	695629	1174783
E800, S1000	695629	1174583
E800, S1200	695629	1174383
E800, S1400	695629	1174183
E800, S1600	695629	1173983
E800, S1800	695629	1173783
E800, S2000	695629	1173583
E800, S2200	695629	1173383
E800, S2400	695629	1173183
E1000, 0	695829	1175583
E1000, N200	695829	1175783
E1000, N400	695829	1175983
E1000, N600	695829	1176183
E1000, N800	695829	1176383
E1000, N1000	695829	1176583
E1000, N1200	695829	1176783
E1000, N1400	695829	1176983
E1000, N1600	695829	1177183
E1000, N1800	695829	1177383
E1000, N2000	695829	1177583
E1000, N2200	695829	1177783
E1000, N2400	695829	1177983
E1000, N2600	695829	1178183
E1000, S200	695829	1175383
E1000, S400	695829	1175183
E1000, S600	695829	1174983
E1000, S800	695829	1174783
E1000, S1000	695829	1174583
E1000, S1200	695829	1174383
E1000, S1400	695829	1174183
E1000, S1600	695829	1173983
E1000, S1800	695829	1173783
E1000, S2000	695829	1173583
E1000, S2200	695829	1173383
E1000, S2400	695829	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
E1200, 0	696029	1175583
E1200, N200	696029	1175783
E1200, N400	696029	1175983
E1200, N600	696029	1176183
E1200, N800	696029	1176383
E1200, N1000	696029	1176583
E1200, N1200	696029	1176783
E1200, N1400	696029	1176983
E1200, N1600	696029	1177183
E1200, N1800	696029	1177383
E1200, N2000	696029	1177583
E1200, N2200	696029	1177783
E1200, N2400	696029	1177983
E1200, N2600	696029	1178183
E1200, S200	696029	1175383
E1200, S400	696029	1175183
E1200, S600	696029	1174983
E1200, S800	696029	1174783
E1200, S1000	696029	1174583
E1200, S1200	696029	1174383
E1200, S1400	696029	1174183
E1200, S1600	696029	1173983
E1200, S1800	696029	1173783
E1200, S2000	696029	1173583
E1200, S2200	696029	1173383
E1200, S2400	696029	1173183
E1400, N400	696229	1175983
E1400, N600	696229	1176183
E1400, N800	696229	1176383
E1400, N1000	696229	1176583
E1400, N1200	696229	1176783
E1400, N1400	696229	1176983
E1400, N1600	696229	1177183
E1400, N1800	696229	1177383
E1400, N2000	696229	1177583
E1400, N2200	696229	1177783
E1400, N2400	696229	1177983
E1400, N2600	696229	1178183
E1600, N400	696429	1175983
E1600, N600	696429	1176183
E1600, N800	696429	1176383
E1600, N1000	696429	1176583
E1600, N1200	696429	1176783
E1600, N1400	696429	1176983
E1600, N1600	696429	1177183
E1600, N1800	696429	1177383
E1600, N2000	696429	1177583
E1600, N2200	696429	1177783
E1600, N2400	696429	1177983
E1600, N2600	696429	1178183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
E1800, N400	696629	1175983
E1800, N600	696629	1176183
E1800, N800	696629	1176383
E1800, N1000	696629	1176583
E1800, N1200	696629	1176783
E1800, N1400	696629	1176983
E1800, N1600	696629	1177183
E1800, N1800	696629	1177383
E1800, N2000	696629	1177583
E1800, N2200	696629	1177783
E1800, N2400	696629	1177983
E1800, N2600	696629	1178183
E2000, N400	696829	1175983
E2000, N600	696829	1176183
E2000, N800	696829	1176383
E2000, N1000	696829	1176583
E2000, N1200	696829	1176783
E2000, N1400	696829	1176983
E2000, N1600	696829	1177183
E2000, N1800	696829	1177383
E2000, N2000	696829	1177583
E2000, N2200	696829	1177783
E2000, N2400	696829	1177983
E2000, N2600	696829	1178183
W200, 0	694629	1175583
W200, N200	694629	1175783
W200, N400	694629	1175983
W200, N600	694629	1176183
W200, N800	694629	1176383
W200, N1000	694629	1176583
W200, N1200	694629	1176783
W200, N1400	694629	1176983
W200, N1600	694629	1177183
W200, N1800	694629	1177383
W200, N2000	694629	1177583
W200, N2200	694629	1177783
W200, N2400	694629	1177983
W200, N2600	694629	1178183
W200, S200	694629	1175383
W200, S400	694629	1175183
W200, S600	694629	1174983
W200, S800	694629	1174783
W200, S1000	694629	1174583
W200, S1200	694629	1174383
W200, S1400	694629	1174183
W200, S1600	694629	1173983
W200, S1800	694629	1173783
W200, S2000	694629	1173583
W200, S2200	694629	1173383
W200, S2400	694629	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
W400, 0	694429	1175583
W400, N200	694429	1175783
W400, N400	694429	1175983
W400, N600	694429	1176183
W400, N800	694429	1176383
W400, N1000	694429	1176583
W400, N1200	694429	1176783
W400, N1400	694429	1176983
W400, N1600	694429	1177183
W400, N1800	694429	1177383
W400, N2000	694429	1177583
W400, N2200	694429	1177783
W400, N2400	694429	1177983
W400, N2600	694429	1178183
W400, S200	694429	1175383
W400, S400	694429	1175183
W400, S600	694429	1174983
W400, S800	694429	1174783
W400, S1000	694429	1174583
W400, S1200	694429	1174383
W400, S1400	694429	1174183
W400, S1600	694429	1173983
W400, S1800	694429	1173783
W400, S2000	694429	1173583
W400, S2200	694429	1173383
W400, S2400	694429	1173183
W600, 0	694229	1175583
W600, N200	694229	1175783
W600, N400	694229	1175983
W600, N600	694229	1176183
W600, N800	694229	1176383
W600, N1000	694229	1176583
W600, N1200	694229	1176783
W600, N1400	694229	1176983
W600, N1600	694229	1177183
W600, N1800	694229	1177383
W600, N2000	694229	1177583
W600, N2200	694229	1177783
W600, N2400	694229	1177983
W600, N2600	694229	1178183
W600, N200	694229	1175383
W600, N400	694229	1175183
W600, N600	694229	1174983
W600, N800	694229	1174783
W600, N1000	694229	1174583
W600, N1200	694229	1174383
W600, N1400	694229	1174183
W600, N1600	694229	1173983
W600, N1800	694229	1173783
W600, N2000	694229	1173583
W600, N2200	694229	1173383
W600, N2400	694229	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
W800, 0	694029	1175583
W800, N200	694029	1175783
W800, N400	694029	1175983
W800, N600	694029	1176183
W800, N800	694029	1176383
W800, N1000	694029	1176583
W800, N1200	694029	1176783
W800, N1400	694029	1176983
W800, N1600	694029	1177183
W800, N1800	694029	1177383
W800, N2000	694029	1177583
W800, N2200	694029	1177783
W800, N2400	694029	1177983
W800, N2600	694029	1178183
W800, S200	694029	1175383
W800, S400	694029	1175183
W800, S600	694029	1174983
W800, S800	694029	1174783
W800, S1000	694029	1174583
W800, S1200	694029	1174383
W800, S1400	694029	1174183
W800, S1600	694029	1173983
W800, S1800	694029	1173783
W800, S2000	694029	1173583
W800, S2200	694029	1173383
W800, S2400	694029	1173183
W1000, 0	693829	1175583
W1000, N200	693829	1175783
W1000, N400	693829	1175983
W1000, N600	693829	1176183
W1000, N800	693829	1176383
W1000, N1000	693829	1176583
W1000, N1200	693829	1176783
W1000, N1400	693829	1176983
W1000, N1600	693829	1177183
W1000, N1800	693829	1177383
W1000, N2000	693829	1177583
W1000, N2200	693829	1177783
W1000, N2400	693829	1177983
W1000, N2600	693829	1178183
W1000, S200	693829	1175383
W1000, S400	693829	1175183
W1000, S600	693829	1174983
W1000, S800	693829	1174783
W1000, S1000	693829	1174583
W1000, S1200	693829	1174383
W1000, S1400	693829	1174183
W1000, S1600	693829	1173983
W1000, S1800	693829	1173783
W1000, S2000	693829	1173583
W1000, S2200	693829	1173383
W1000, S2400	693829	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
W1200, 0	693629	1175583
W1200, N200	693629	1175783
W1200, N400	693629	1175983
W1200, N600	693629	1176183
W1200, N800	693629	1176383
W1200, N1000	693629	1176583
W1200, N1200	693629	1176783
W1200, N1400	693629	1176983
W1200, N1600	693629	1177183
W1200, N1800	693629	1177383
W1200, N2000	693629	1177583
W1200, N2200	693629	1177783
W1200, N2400	693629	1177983
W1200, N2600	693629	1178183
W1200, S200	693629	1175383
W1200, S400	693629	1175183
W1200, S600	693629	1174983
W1200, S800	693629	1174783
W1200, S1000	693629	1174583
W1200, S1200	693629	1174383
W1200, S1400	693629	1174183
W1200, S1600	693629	1173983
W1200, S1800	693629	1173783
W1200, S2000	693629	1173583
W1200, S2200	693629	1173383
W1200, S2400	693629	1173183
W1400, 0	693429	1175583
W1400, N200	693429	1175783
W1400, N400	693429	1175983
W1400, N600	693429	1176183
W1400, N800	693429	1176383
W1400, N1000	693429	1176583
W1400, N1200	693429	1176783
W1400, N1400	693429	1176983
W1400, N1600	693429	1177183
W1400, N1800	693429	1177383
W1400, N2000	693429	1177583
W1400, N2200	693429	1177783
W1400, N2400	693429	1177983
W1400, N2600	693429	1178183
W1400, S200	693429	1175383
W1400, S400	693429	1175183
W1400, S600	693429	1174983
W1400, S800	693429	1174783
W1400, S1000	693429	1174583
W1400, S1200	693429	1174383
W1400, S1400	693429	1174183
W1400, S1600	693429	1173983
W1400, S1800	693429	1173783
W1400, S2000	693429	1173583
W1400, S2200	693429	1173383
W1400, S2400	693429	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

XRF Grid Node	Easting	Northing
W1600, 0	693229	1175583
W1600, N200	693229	1175783
W1600, N400	693229	1175983
W1600, N600	693229	1176183
W1600, N800	693229	1176383
W1600, N1000	693229	1176583
W1600, N1200	693229	1176783
W1600, N1400	693229	1176983
W1600, N1600	693229	1177183
W1600, N1800	693229	1177383
W1600, N2000	693229	1177583
W1600, N2200	693229	1177783
W1600, N2400	693229	1177983
W1600, N2600	693229	1178183
W1600, S200	693229	1175383
W1600, S400	693229	1175183
W1600, S600	693229	1174983
W1600, S800	693229	1174783
W1600, S1000	693229	1174583
W1600, S1200	693229	1174383
W1600, S1400	693229	1174183
W1600, S1600	693229	1173983
W1600, S1800	693229	1173783
W1600, S2000	693229	1173583
W1600, S2200	693229	1173383
W1600, S2400	693229	1173183
W1800, 0	693029	1175583
W1800, N200	693029	1175783
W1800, N400	693029	1175983
W1800, N600	693029	1176183
W1800, N800	693029	1176383
W1800, N1000	693029	1176583
W1800, N1200	693029	1176783
W1800, N1400	693029	1176983
W1800, N1600	693029	1177183
W1800, N1800	693029	1177383
W1800, N2000	693029	1177583
W1800, N2200	693029	1177783
W1800, N2400	693029	1177983
W1800, N2600	693029	1178183
W1800, S200	693029	1175383
W1800, S400	693029	1175183
W1800, S600	693029	1174983
W1800, S800	693029	1174783
W1800, S1000	693029	1174583
W1800, S1200	693029	1174383
W1800, S1400	693029	1174183
W1800, S1600	693029	1173983
W1800, S1800	693029	1173783
W1800, S2000	693029	1173583
W1800, S2200	693029	1173383
W1800, S2400	693029	1173183

Table 4-1

XRF Grid Node and Range Fan Sample Locations
Former Choccolocco Corridor Sites, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Alabama

Range Fan XRF Sample Locations

Sample Location	Easting	Northing
CCX01	691861	1172451
CCX02	692065	1173813
CCX03	691519	1175630
CCX04	692028	1176030
CCX05	692436	1178080
CCX06	693244	1178309
CCX07	691769	1179292
CCX08	690732	1179292
CCX09	690519	1177530
CCX10	691478	1176809
CCX11	690003	1176022
CCX12	690115	1174359
CCX13	690799	1174455
CCX14	690207	1172951
CCX15	690378	1171801
CCX16	689274	1170126
CCX17	687936	1169880
CCX18	688236	1170901
CCX19	689099	1171859
CCX20	688369	1173209
CCX21	688194	1174526
CCX22	689194	1174817
CCX23	689078	1177526
CCX24	688282	1177963
CCX25	688740	1179534
CCX26	689982	1179847
CCX27	688144	1181176
CCX28	687986	1179888
CCX29	687511	1178459
CCX30	687115	1177084
CCX31	686886	1175997
CCX32	687061	1174184
CCX33	687186	1171851
CCX34	686590	1169347
CCX35	684803	1169247
CCX36	684157	1171009
CCX37	685449	1171422
CCX38	685403	1173788
CCX39	685319	1175905
CCX40	685844	1177584
CCX41	686286	1179634
CCX42	684415	1178301
CCX43	684019	1175872
CCX44	683140	1174847
CCX45	683915	1172859

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-94Q-MW01	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-94Q-MW02	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-95Q-MW01	One groundwater	Resample permanent residuum monitoring well. Well was dry at the time of last sampling, however, after increased fall and winter rainfall, the well may have available groundwater for sampling. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-95Q-MW02	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-95Q-MW03	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-96Q-MW01	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-131Q-MW01	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-144Q-MW01	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-145Q-MW01	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-145Q-MW02	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-146Q-MW01	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-146Q-MW02	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-147Q-MW01	One groundwater	Resample permanent residuum monitoring well. Well was dry at the time of last sampling, however, after increased fall and winter rainfall, the well may have available groundwater for sampling. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-147Q-MW02	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.
HR-148Q-MW01	One groundwater	Resample permanent residuum monitoring well. Groundwater sample will be collected from existing monitoring well to provide sample data to assist in characterizing the groundwater for potential contamination and to provide sample data to support RI.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-MW01	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 125 feet southeast and downslope of sample location HR-146Q-GP04. Soil sample data will aid in determining extent of contaminant results previously found in samples for location HR-146Q-GP04. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW02	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 125 feet east northeast and downslope of sample location HR-146Q-GP02. Soil sample data will aid in determining extent of contaminant results previously found in samples for location HR-146Q-GP02. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW03	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 65 feet southeast and downslope of sample location HR-94Q-GP06. Soil sample data will aid in determining extent of contaminant results previously found in samples for location HR-94Q-GP06. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW04	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 150 feet southeast and downslope of sample location HR-95Q-GP04. Sample data will aid in determining extent of contaminant results previously found in this area of the parcel. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW05	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 100 feet south and downslope of sample location HR-148Q-GP01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-148Q-GP01. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW06	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 200 feet southeast and downslope of sample location HR-148Q-GP03. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-148Q-GP03. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-MW07	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 50 feet south of sample location HR-97Q-GP05. Sample data will aid in determining extent of contaminant results previously found in this area of the parcel. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW08	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 150 feet southeast of sample location HR-144Q-DEP02. Sample data will aid in determining extent of contaminant results previously found in this area of the parcel. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW09	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 115 feet southeast and downslope of sample location HR-144Q-GP02. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-144Q-GP02. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-MW10	One surface soil, two subsurface soils, and one groundwater	Soil boring location for one surface soil, two subsurface soil samples and a permanent residuum monitoring well to be located approximately 60 feet northeast of sample location HR-94Q-GP02. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-94Q-GP02. Surface soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. The monitoring well will be installed to an approximate depth of 50 feet below ground surface (bgs). Groundwater sample data will be used to establish a local groundwater flow direction and provide information on groundwater quality in the residuum aquifer.
HR-CCRI-GP01	One surface soil and two subsurface soils	Soil boring for one surface soil and two subsurface soil samples to be located approximately 115 feet west and upslope of sample location HR-146Q-GP04. Sample data will aid in determining extent of contaminant results previously found in this area of the parcel. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP02	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 130 feet northeast and downslope of sample location HR-146Q-GP04. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-146Q-GP04. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP03	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 75 feet southwest and upslope of sample location HR-146Q-GP02. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-146Q-GP02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP04	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 100 feet northwest and upslope of sample location HR-146Q-GP02. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-146Q-GP02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP05	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located near the southern border of Parcel 94Q approximately 225 feet west and upslope of sample location HR-94Q-GP06. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-94Q-GP06. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP06	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 100 feet northeast and downslope of sample location HR-94Q-GP06. Sample data will aid in determining extent downslope of contaminant results previously found in samples for location HR-94Q-GP06. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP07	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 110 feet southeast and downslope of sample location HR-94Q-GP08. Sample data will aid in determining extent downslope of contaminant results previously found in samples for location HR-94Q-GP08. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP08	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located in the central western portion of Parcel 94Q approximately 250 feet northeast and upslope of sample location HR-94Q-GP06. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-94Q-GP06. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP09	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located in the western portion of Parcel 94Q approximately 100 feet northwest and upslope of sample location HR-94Q-GP02. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-94Q-GP02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP10	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 85 feet northeast of sample location HR-94Q-GP02. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-94Q-GP02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP11	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 140 feet south of sample location HR-95Q-MW01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-95Q-MW01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP12	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 165 feet east of sample location HR-95Q-GP04. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-95Q-GP04. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP13	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 225 feet northeast and downslope of sample location HR-95Q-MW01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-95Q-MW01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP14	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 180 feet southeast and downslope of sample location HR-95Q-MW02. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-95Q-MW02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP15	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 150 feet east and downslope of sample location HR-95Q-MW01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-95Q-MW01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP16	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 160 feet southeast and downslope of sample location HR-95Q-DEP02. Sample data will aid in determining extent of limited contaminant results previously found in samples for locations HR-95Q-DEP02, HR-95Q-GP09, HR-131Q-GP01, and HR-131Q-GP02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP17	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 150 feet northwest and upslope of sample location HR-96Q-GP01. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-96Q-GP01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP18	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 125 feet southwest and upslope of sample location HR-148Q-GP01. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-148Q-GP01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP19	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 175 feet north of sample location HR-148Q-GP01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-148Q-GP01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP20	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 250 feet northeast of sample location HR-148Q-GP01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-148Q-GP01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP21	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 150 feet southeast of sample location HR-148Q-GP01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-148Q-GP01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP22	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 165 feet southwest of sample location HR-148Q-GP03. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-148Q-GP03. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP23	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 100 feet north of sample location HR-148Q-MW01. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-148Q-MW01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP24	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located just outside the eastern central boundary of Parcel 96Q in the eastern portion of Parcel 145Q-X. Sample data will aid in determining extent of potential contaminant in the eastern portion of Parcel 145Q-X. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP25	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 200 feet west of sample location HR-148Q-MW01. Sample data will aid in determining extent of contaminant results previously found in samples for locations HR-148Q-MW01 and HR-148Q-GP03. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP26	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 65 feet southwest of sample location HR-97Q-GP02. Sample data will aid in determining extent of contaminant results previously found in samples for location HR-97Q-GP02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP27	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located approximately 65 feet northeast and downslope of sample location HR-97Q-GP06. Sample data will aid in determining extent downslope of contaminant results previously found in samples for location HR-97Q-GP06. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP28	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located in the central-western area of Parcel 144Q-X, west and upslope of sample locations HR-144Q-DEP01. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-144Q-DEP01. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP29	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located 100 feet west and upslope of sample locations HR-144Q-GP02. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-144Q-GP02 and HR-144Q-DEP02. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP30	One surface soil and two subsurface soils	Soil boring location for one surface soil and two subsurface soil samples to be located 85 feet west and upslope of sample locations HR-144Q-GP06. Sample data will aid in determining extent upslope of contaminant results previously found in samples for location HR-144Q-GP06. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP31	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP32	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP33	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP34	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP35	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP36	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP37	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP38	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP39	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP40	One surface soil and two subsurface soils	Soil boring location to be determined from XRF surface soil screening results for one surface soil and two subsurface soil samples. Two discrete subsurface soil samples will be collected from 1 to 12 feet bgs based on XRF screening showing the highest lead concentrations. Sample data will be used to determine vertical and horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP41	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP42	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP43	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP44	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP45	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP46	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP47	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP48	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP49	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP50	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP51	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP52	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP53	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP54	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP55	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP56	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP57	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP58	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP59	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP60	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP61	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP62	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP63	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP64	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP65	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP66	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP67	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP68	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP69	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP70	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP71	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP72	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP73	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP74	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP75	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP76	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP77	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP78	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP79	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP80	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP81	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP82	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP83	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP84	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP85	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP86	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP87	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-GP88	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP89	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-GP90	One surface soil	One surface soil sample location to be determined from XRF surface soil screening results to be collected from 0 to 1 foot bgs. Sample data will be used to determine horizontal extent of potential contamination at the parcel to support the RI. Surface soil sample data also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
HR-CCRI-SW/SD01	Surface water and sediment	The sample location is west and upslope of Parcel 146Q-X, in the intermittent stream that flows southeast across the central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff upstream of this area from former training activities outside the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD02	Surface water and sediment	The sample location is inside the western boundary of Parcel 146Q-X, in the intermittent stream that flows southeast across the central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD03	Surface water and sediment	The sample location is in the south-central area of Parcel 146Q-X, in the intermittent stream that flows southeast across the central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD04	Surface water and sediment	The sample location is in the central area of Parcel 146Q-X, in the intermittent stream that flows east across the central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD05	Surface water and sediment	The sample location is in the central area of Parcel 146Q-X, in the intermittent stream that flows southeast across the north-central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD06	Surface water and sediment	The sample location is in the north-central area of Parcel 146Q-X, in the intermittent stream that flows southeast across the north-central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD07	Surface water and sediment	The sample location is located in the east-central area of Parcel 146Q-X and downstream of the confluence of two intermittent streams that flow southeast across the central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-SW/SD08	Surface water and sediment	The sample location is located in the east-central area of Parcel 146Q-X in an intermittent stream that flows east across the east-central area of the parcel. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD09	Surface water and sediment	The sample location is located just outside the eastern boundary Parcel 146Q-X in an intermittent stream that flows east out of the parcel. Sample data will indicate if contaminant releases have occurred from runoff in this area from former training activities in the parcel. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD10	Surface water and sediment	The sample location is west of the northwestern boundary of Parcel 146Q-X and southwest of the western corner of Parcel 94Q, in the intermittent stream that flows southeast across the north-central area of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff upslope of Parcels 94Q and 146Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD11	Surface water and sediment	The sample location is located in the center area of a drainage ditch that flows southeast across the southern area of Parcel 95Q. Sample data will indicate if contaminant releases have occurred from of Parcels 95Q from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD12	Surface water and sediment	The sample location is northwest of the northwestern boundary of Parcel 145Q-X in the intermittent stream that flows southeast across the southwestern area of Parcels 96Q and 145Q-X. Sample data will indicate if contaminant releases have occurred from runoff upslope of Parcels 96Q and 145Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD13	Surface water and sediment	The sample location is just outside the northwestern boundary of Parcel 145Q-X in the intermittent stream that flows southeast across the southwestern area of Parcels 96Q and 145Q-X. Sample data will indicate if contaminant releases have occurred from runoff upslope of Parcels 96Q and 145Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD14	Surface water and sediment	The sample location is in the western area of Parcel 145Q-X, just inside the boundary of Parcel 96Q in the intermittent stream that flows southeast across the southwestern area of Parcels 96Q and 145Q-X. Sample data will indicate if contaminant releases have occurred from runoff in this area of Parcel 145Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD15	Surface water and sediment	The sample location is located at the northern boundary of Parcel 95Q in the center area of the parcel in an intermittent stream that flows southeast across the northern edge of Parcel 95Q. Sample data will indicate if contaminant releases have occurred from of Parcels 95Q from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD16	Surface water and sediment	The sample location is located just outside the eastern boundary of Parcel 131Q-X in an intermittent stream that flows southeast across the northern edge of Parcel 95Q through the northern area of Parcel 131Q-X. Sample data will indicate if contaminant releases have occurred from of Parcels 95Q from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD17	Surface water and sediment	The sample location is west of the western boundary of Parcel 144Q-X in the intermittent stream that flows east across the central area of Parcel 144Q-X. Sample data will indicate if contaminant releases have occurred from runoff upslope of Parcels 97Q and 144Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-SW/SD18	Surface water and sediment	The sample location is just outside the western boundary of Parcel 144Q-X in the intermittent stream that flows east across the central area of Parcel 144Q-X. Sample data will indicate if contaminant releases have occurred from runoff upslope of Parcels 97Q and 144Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD19	Surface water and sediment	The sample location is in the western portion of Parcel 144Q-X in the intermittent stream that flows east across the central area of Parcel 144Q-X. Sample data will indicate if contaminant releases have occurred from runoff in Parcel 144Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD20	Surface water and sediment	The sample location is outside the eastern corner of Parcel 97Q in the intermittent stream that flows southeast across the central area of Parcel 144Q-X and the northeastern corner of Parcel 97Q. Sample data will indicate if contaminant releases have occurred from runoff in Parcels 97Q and 144Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD21	Surface water and sediment	The sample location is south of Parcels 144Q and 147Q-X in the intermittent stream that flows southeast across the east-central area of Parcel 144Q-X and the northeastern corner of Parcel 97Q. Sample data will indicate if contaminant releases have occurred from runoff in Parcels 97Q and 144Q-X from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD22	Surface water and sediment	The sample location is south of Parcels 144Q and 147Q-X in the intermittent stream that flows east in the area south of Parcel 97Q. Sample data will indicate if contaminant releases have occurred from runoff from Parcel 97Q from former training activities in the area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD23	Surface water and sediment	The sample location is south of Parcels 144Q and 147Q-X in the intermittent stream that flows east in the area south of Parcels 97Q, 144Q-X, and 147Q-X. Sample data will indicate if contaminant releases have occurred from runoff from former training activities at Parcels 97Q, 144Q-X, and 147Q-X. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD24	Surface water and sediment	The sample location is north of the western portion of Parcel 144Q-X in the intermittent stream that flows southeast just north Parcel 144Q-X. Sample data will indicate if contaminant releases have occurred from runoff upslope of Parcels 97Q, 144Q-X, and 147Q-X. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD25	Surface water and sediment	The sample location is in the northern portion of Parcel 147Q-X in the intermittent stream that flows east across the northern area of Parcel 147Q-X. Sample data will indicate if contaminant releases have occurred from runoff in the northern area of Parcel 147Q-X. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD26	Surface water and sediment	The sample location is the intermittent stream that flows east just south of Parcel 146Q-X. The sample location is just west of a dirt road in the southeastern area of the parcel. Sample data will indicate if contaminant releases have occurred from runoff downslope of the southern portion of Parcel 146Q-X. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD27	Surface water and sediment	The sample location is the intermittent stream that flows east south of Parcel 146Q-X. The sample location is just south of the southeastern corner of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff downslope of the southern portion of Parcel 146Q-X. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.

Table 4-2

Proposed Sampling Locations and Rationale, Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
HR-CCRI-SW/SD28	Surface water and sediment	The sample location is just northeast of Parcel 147Q-X in the intermittent stream that flows east across the northern area of Parcel 147Q-X. The sample location is just upstream of the confluence with another intermittent stream flowing from the northwest. Sample data will indicate if contaminant releases have occurred from runoff in the northern area of Parcels 144Q-X and 147Q-X. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD29	Surface water and sediment	The sample location is just outside the southwest corner of Parcel 146Q-X in the intermittent stream that flows southeast. Sample data will indicate if contaminant releases have occurred from runoff from upslope of former training activities in this area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
HR-CCRI-SW/SD30	Surface water and sediment	The sample location is in the intermittent stream that flows southeast, outside the southern boundary of Parcel 146Q-X. Sample data will indicate if contaminant releases have occurred from runoff from upslope of former training activities in this area. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.

Table 4-3

XRF QA/QC Soil Sample Designations and QA/QC Sample Quantities, Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels Fort McClellan, Alabama

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]
HR-CCRI-####	HR-CCRI-####-SS-SJ$$$$-REG	0-1			XRF Metals[a]

Table 4-3

XRF QA/QC Soil Sample Designations and QA/QC Sample Quantities, Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels Fort McClellan, Alabama

[a] XRF Metals - Arsenic, antimony, copper, lead, and zinc.

- Unigue location identifier

$$$$ - Unigue sample number

FD - Field duplicate.

MS/MSD - Matrix spike/matrix spike duplicate.

QA/QC - Quality assurance/quality control.

REG - Field sample.

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-MW01	HR-CCRI-MW01-SS-SJ0001-REG	0-1		HR-CCRI-MW01-SS-SJ0001-MS/MSD	Full Suite of Analyses[c]
	HR-CCRI-MW01-DS-SJ0002-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW01-DS-SJ0003-REG	1-12[b]			Metals and Explosives
HR-CCRI-MW02	HR-CCRI-MW02-SS-SJ0004-REG	0-1	HR-CCRI-MW02-SS-SJ0005-FD		Full Suite of Analyses[c]
	HR-CCRI-MW02-DS-SJ0006-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW02-DS-SJ0007-REG	1-12[b]			Metals and Explosives
HR-CCRI-MW03	HR-CCRI-MW03-SS-SJ0008-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-MW03-DS-SJ0009-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW03-DS-SJ0010-REG	1-12[b]	HR-CCRI-MW03-DS-SJ0011-FD		Metals and Explosives
HR-CCRI-MW04	HR-CCRI-MW04-SS-SJ0012-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-MW04-DS-SJ0013-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW04-DS-SJ0014-REG	1-12[b]			Metals and Explosives
HR-CCRI-MW05	HR-CCRI-MW05-SS-SJ0015-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-MW05-DS-SJ0016-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW05-DS-SJ0017-REG	1-12[b]			Metals and Explosives
HR-CCRI-MW06	HR-CCRI-MW06-SS-SJ0018-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-MW06-DS-SJ0019-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW06-DS-SJ0020-REG	1-12[b]			Metals and Explosives
HR-CCRI-MW07	HR-CCRI-MW07-SS-SJ0021-REG	0-1	HR-CCRI-MW07-SS-SJ0022-FD		Full Suite of Analyses[c]
	HR-CCRI-MW07-DS-SJ0023-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW07-DS-SJ0024-REG	1-12[b]			Metals and Explosives
HR-CCRI-MW08	HR-CCRI-MW08-SS-SJ0025-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-MW08-DS-SJ0026-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW08-DS-SJ0027-REG	1-12[b]			Metals and Explosives
HR-CCRI-MW09	HR-CCRI-MW09-SS-SJ0028-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-MW09-DS-SJ0029-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW09-DS-SJ0030-REG	1-12[b]	HR-CCRI-MW09-DS-SJ0031-FD		Metals and Explosives

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-MW10	HR-CCRI-MW10-SS-SJ0032-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-MW10-DS-SJ0033-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-MW10-DS-SJ0034-REG	1-12[b]			Metals and Explosives
HR-CCRI-GP01	HR-CCRI-GP01-SS-SJ0035-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP01-DS-SJ0036-REG	1-12[a]	HR-CCRI-GP01-DS-SJ0037-FD		Full Suite of Analyses[c]
	HR-CCRI-GP01-DS-SJ0038-REG	1-12[b]			Lead, Only
HR-CCRI-GP02	HR-CCRI-GP02-SS-SJ0039-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP02-DS-SJ0040-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP02-DS-SJ0041-REG	1-12[b]		HR-CCRI-GP02-DS-SJ0041-MS/MSD	Lead, Only
HR-CCRI-GP03	HR-CCRI-GP03-SS-SJ0042-REG	0-1	HR-CCRI-GP03-SS-SJ0043-FD		Full Suite of Analyses[c]
	HR-CCRI-GP03-DS-SJ0044-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP03-DS-SJ0045-REG	1-12[b]			Lead, Only
HR-CCRI-GP04	HR-CCRI-GP04-SS-SJ0046-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP04-DS-SJ0047-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP04-DS-SJ0048-REG	1-12[b]			Lead, Only
HR-CCRI-GP05	HR-CCRI-GP05-SS-SJ0049-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP05-DS-SJ0050-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP05-DS-SJ0051-REG	1-12[b]			Lead, Only
HR-CCRI-GP06	HR-CCRI-GP06-SS-SJ0052-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP06-DS-SJ0053-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP06-DS-SJ0054-REG	1-12[b]			Lead, Only
HR-CCRI-GP07	HR-CCRI-GP07-SS-SJ0055-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP07-DS-SJ0056-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP07-DS-SJ0057-REG	1-12[b]			Lead, Only
HR-CCRI-GP08	HR-CCRI-GP08-SS-SJ0058-REG	0-1			Metals and Explosives
	HR-CCRI-GP08-DS-SJ0059-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP08-DS-SJ0060-REG	1-12[b]	HR-CCRI-GP19-DS-SJ0061-FD		Lead, Only

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP09	HR-CCRI-GP09-SS-SJ0062-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP09-DS-SJ0063-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP09-DS-SJ0064-REG	1-12[b]			Lead, Only
HR-CCRI-GP10	HR-CCRI-GP10-SS-SJ0065-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP10-DS-SJ0066-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP10-DS-SJ0067-REG	1-12[b]			Lead, Only
HR-CCRI-GP11	HR-CCRI-GP11-SS-SJ0068-REG	0-1	HR-CCRI-GP11-SS-SJ0069-FD		Metals and Explosives
	HR-CCRI-GP11-DS-SJ0070-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP11-DS-SJ0071-REG	1-12[b]			Lead, Only
HR-CCRI-GP12	HR-CCRI-GP12-SS-SJ0072-REG	0-1			Metals and Explosives
	HR-CCRI-GP12-DS-SJ0073-REG	1-12[a]		HR-CCRI-GP12-DS-SJ0073-MS/MSD	Metals and Explosives
	HR-CCRI-GP12-DS-SJ0074-REG	1-12[b]			Lead, Only
HR-CCRI-GP13	HR-CCRI-GP13-SS-SJ0075-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP13-DS-SJ0076-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP13-DS-SJ0077-REG	1-12[b]			Lead, Only
HR-CCRI-GP14	HR-CCRI-GP14-SS-SJ0078-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP14-DS-SJ0079-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP14-DS-SJ0080-REG	1-12[b]		HR-CCRI-GP14-DS-SJ0080-MS/MSD	Lead, Only
HR-CCRI-GP15	HR-CCRI-GP15-SS-SJ0081-REG	0-1	HR-CCRI-GP15-SS-SJ0082-FD		Full Suite of Analyses[c]
	HR-CCRI-GP15-DS-SJ0083-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP15-DS-SJ0084-REG	1-12[b]			Lead, Only
HR-CCRI-GP16	HR-CCRI-GP16-SS-SJ0085-REG	0-1	HR-CCRI-GP16-SS-SJ0086-FD		Metals and Explosives
	HR-CCRI-GP16-DS-SJ0087-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP16-DS-SJ0088-REG	1-12[b]			Lead, Only
HR-CCRI-GP17	HR-CCRI-GP17-SS-SJ0089-REG	0-1		HR-CCRI-GP17-SS-SJ0089-MS/MSD	Full Suite of Analyses[c]
	HR-CCRI-GP17-DS-SJ0090-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP17-DS-SJ0091-REG	1-12[b]			Lead, Only

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP18	HR-CCRI-GP18-SS-SJ0092-REG	0-1	HR-CCRI-GP18-SS-SJ0093-FD		Metals and Explosives
	HR-CCRI-GP18-DS-SJ0094-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP18-DS-SJ0095-REG	1-12[b]			Lead, Only
HR-CCRI-GP19	HR-CCRI-GP19-SS-SJ0096-REG	0-1			Metals and Explosives
	HR-CCRI-GP19-DS-SJ0097-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP19-DS-SJ0098-REG	1-12[b]			Lead, Only
HR-CCRI-GP20	HR-CCRI-GP20-SS-SJ0099-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP20-DS-SJ0100-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP20-DS-SJ0101-REG	1-12[b]			Lead, Only
HR-CCRI-GP21	HR-CCRI-GP21-SS-SJ0102-REG	0-1	HR-CCRI-GP21-SS-SJ0103-FD		Metals and Explosives
	HR-CCRI-GP21-DS-SJ0104-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP21-DS-SJ0105-REG	1-12[b]			Lead, Only
HR-CCRI-GP22	HR-CCRI-GP22-SS-SJ0106-REG	0-1			Metals and Explosives
	HR-CCRI-GP22-DS-SJ0107-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP22-DS-SJ0108-REG	1-12[b]			Lead, Only
HR-CCRI-GP23	HR-CCRI-GP23-SS-SJ0109-REG	0-1			Metals and Explosives
	HR-CCRI-GP23-DS-SJ0110-REG	1-12[a]			Metals and Explosives
	HR-CCRI-GP23-DS-SJ0111-REG	1-12[b]		HR-CCRI-GP23-DS-SJ0111-MSD	Lead, Only
HR-CCRI-GP24	HR-CCRI-GP24-SS-SJ0112-REG	0-1			Metals and Explosives
	HR-CCRI-GP24-DS-SJ0113-REG	1-12[a]	HR-CCRI-GP24-DS-SJ0114-FD		Metals and Explosives
	HR-CCRI-GP24-DS-SJ0115-REG	1-12[b]			Lead, Only
HR-CCRI-GP25	HR-CCRI-GP25-SS-SJ0116-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP25-DS-SJ0117-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP25-DS-SJ0118-REG	1-12[b]			Lead, Only
HR-CCRI-GP26	HR-CCRI-GP26-SS-SJ0119-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP26-DS-SJ0120-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP26-DS-SJ0121-REG	1-12[b]			Lead, Only

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP27	HR-CCRI-GP27-SS-SJ0122-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP27-DS-SJ0123-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP27-DS-SJ0124-REG	1-12[b]	HR-CCRI-GP27-DS-SJ0125-FD		Lead, Only
HR-CCRI-GP28	HR-CCRI-GP28-SS-SJ0126-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP28-DS-SJ0127-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP28-DS-SJ0128-REG	1-12[b]			Lead, Only
HR-CCRI-GP29	HR-CCRI-GP29-SS-SJ0129-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP29-DS-SJ0130-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP29-DS-SJ0131-REG	1-12[b]			Lead, Only
HR-CCRI-GP30	HR-CCRI-GP30-SS-SJ0132-REG	0-1			Full Suite of Analyses[c]
	HR-CCRI-GP30-DS-SJ0133-REG	1-12[a]			Full Suite of Analyses[c]
	HR-CCRI-GP30-DS-SJ0134-REG	1-12[b]			Lead, Only
HR-CCRI-GP31	HR-CCRI-GP31-SS-SJ0135-REG	0-1	HR-CCRI-GP31-SS-SJ0136-FD		Lead, Only
	HR-CCRI-GP31-DS-SJ0137-REG	1-12[a]			Lead, Only
	HR-CCRI-GP31-DS-SJ0138-REG	1-12[b]			Lead, Only
HR-CCRI-GP32	HR-CCRI-GP32-SS-SJ0139-REG	0-1		HR-CCRI-GP32-SS-SJ0139-MS/MSD	Lead, Only
	HR-CCRI-GP32-DS-SJ0140-REG	1-12[a]			Lead, Only
	HR-CCRI-GP32-DS-SJ0141-REG	1-12[b]			Lead, Only
HR-CCRI-GP33	HR-CCRI-GP33-SS-SJ0142-REG	0-1			Lead, Only
	HR-CCRI-GP33-DS-SJ0143-REG	1-12[a]			Lead, Only
	HR-CCRI-GP33-DS-SJ0144-REG	1-12[b]			Lead, Only
HR-CCRI-GP34	HR-CCRI-GP34-SS-SJ0145-REG	0-1			Lead, Only
	HR-CCRI-GP34-DS-SJ0146-REG	1-12[a]			Lead, Only
	HR-CCRI-GP34-DS-SJ0147-REG	1-12[b]			Lead, Only
HR-CCRI-GP35	HR-CCRI-GP35-SS-SJ0148-REG	0-1			Lead, Only
	HR-CCRI-GP35-DS-SJ0149-REG	1-12[a]			Lead, Only
	HR-CCRI-GP35-DS-SJ0150-REG	1-12[b]			Lead, Only

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP36	HR-CCRI-GP36-SS-SJ0151-REG	0-1			Lead, Only
	HR-CCRI-GP36-DS-SJ0152-REG	1-12[a]			Lead, Only
	HR-CCRI-GP36-DS-SJ0153-REG	1-12[b]			Lead, Only
HR-CCRI-GP37	HR-CCRI-GP37-SS-SJ0154-REG	0-1			Lead, Only
	HR-CCRI-GP37-DS-SJ0155-REG	1-12[a]			Lead, Only
	HR-CCRI-GP37-DS-SJ0156-REG	1-12[b]			Lead, Only
HR-CCRI-GP38	HR-CCRI-GP38-SS-SJ0157-REG	0-1			Lead, Only
	HR-CCRI-GP38-DS-SJ0158-REG	1-12[a]			Lead, Only
	HR-CCRI-GP38-DS-SJ0159-REG	1-12[b]			Lead, Only
HR-CCRI-GP39	HR-CCRI-GP39-SS-SJ0160-REG	0-1			Lead, Only
	HR-CCRI-GP39-DS-SJ0161-REG	1-12[a]			Lead, Only
	HR-CCRI-GP39-DS-SJ0162-REG	1-12[b]			Lead, Only
HR-CCRI-GP40	HR-CCRI-GP40-SS-SJ0163-REG	0-1	HR-CCRI-GP40-SS-SJ0164-FD		Lead, Only
	HR-CCRI-GP40-DS-SJ0165-REG	1-12[a]			Lead, Only
	HR-CCRI-GP40-DS-SJ0166-REG	1-12[b]			Lead, Only
HR-CCRI-GP41	HR-CCRI-GP41-SS-SJ0167-REG	0-1			Metals and Explosives
HR-CCRI-GP42	HR-CCRI-GP42-SS-SJ0168-REG	0-1			Metals and Explosives
HR-CCRI-GP43	HR-CCRI-GP43-SS-SJ0169-REG	0-1			Metals and Explosives
HR-CCRI-GP44	HR-CCRI-GP44-SS-SJ0170-REG	0-1			Metals and Explosives
HR-CCRI-GP45	HR-CCRI-GP45-SS-SJ0171-REG	0-1	HR-CCRI-GP45-SS-SJ0172-FD		Metals and Explosives
HR-CCRI-GP46	HR-CCRI-GP46-SS-SJ0173-REG	0-1			Metals and Explosives
HR-CCRI-GP47	HR-CCRI-GP47-SS-SJ0174-REG	0-1		HR-CCRI-GP47-SS-SJ0174-MS/MSD	Metals and Explosives

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP48	HR-CCRI-GP48-SS-SJ0175-REG	0-1			Metals and Explosives
HR-CCRI-GP49	HR-CCRI-GP49-SS-SJ0176-REG	0-1			Metals and Explosives
HR-CCRI-GP50	HR-CCRI-GP50-SS-SJ0177-REG	0-1			Metals and Explosives
HR-CCRI-GP51	HR-CCRI-GP51-SS-SJ0178-REG	0-1			Metals and Explosives
HR-CCRI-GP52	HR-CCRI-GP52-SS-SJ0179-REG	0-1			Metals and Explosives
HR-CCRI-GP53	HR-CCRI-GP53-SS-SJ0180-REG	0-1			Metals and Explosives
HR-CCRI-GP54	HR-CCRI-GP54-SS-SJ0181-REG	0-1			Metals and Explosives
HR-CCRI-GP55	HR-CCRI-GP55-SS-SJ0182-REG	0-1			Metals and Explosives
HR-CCRI-GP56	HR-CCRI-GP56-SS-SJ0183-REG	0-1			Metals and Explosives
HR-CCRI-GP57	HR-CCRI-GP57-SS-SJ0184-REG	0-1		HR-CCRI-GP57-SS-SJ0184-MS/MSD	Metals and Explosives
HR-CCRI-GP58	HR-CCRI-GP58-SS-SJ0185-REG	0-1			Metals and Explosives

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP59	HR-CCRI-GP59-SS-SJ0186-REG	0-1			Metals and Explosives
HR-CCRI-GP60	HR-CCRI-GP60-SS-SJ0187-REG	0-1			Metals and Explosives
HR-CCRI-GP61	HR-CCRI-GP61-SS-SJ0188-REG	0-1			Lead, Only
HR-CCRI-GP62	HR-CCRI-GP62-SS-SJ0189-REG	0-1			Lead, Only
HR-CCRI-GP63	HR-CCRI-GP63-SS-SJ0190-REG	0-1			Lead, Only
HR-CCRI-GP64	HR-CCRI-GP64-SS-SJ0191-REG	0-1	HR-CCRI-GP64-SS-SJ0192-FD		Lead, Only
HR-CCRI-GP65	HR-CCRI-GP65-SS-SJ0193-REG	0-1			Lead, Only
HR-CCRI-GP66	HR-CCRI-GP66-SS-SJ0194-REG	0-1			Lead, Only
HR-CCRI-GP67	HR-CCRI-GP67-SS-SJ0195-REG	0-1			Lead, Only
HR-CCRI-GP68	HR-CCRI-GP68-SS-SJ0196-REG	0-1			Lead, Only
HR-CCRI-GP69	HR-CCRI-GP69-SS-SJ0197-REG	0-1			Lead, Only
HR-CCRI-GP70	HR-CCRI-GP70-SS-SJ0198-REG	0-1			Lead, Only

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP71	HR-CCRI-GP71-SS-SJ0199-REG	0-1	HR-CCRI-GP71-SS-SJ0200-FD		Lead, Only
HR-CCRI-GP72	HR-CCRI-GP72-SS-SJ0201-REG	0-1			Lead, Only
HR-CCRI-GP73	HR-CCRI-GP73-SS-SJ0202-REG	0-1			Lead, Only
HR-CCRI-GP74	HR-CCRI-GP74-SS-SJ0203-REG	0-1			Lead, Only
HR-CCRI-GP75	HR-CCRI-GP75-SS-SJ0204-REG	0-1	HR-CCRI-GP75-SS-SJ0205-FD		Lead, Only
HR-CCRI-GP76	HR-CCRI-GP76-SS-SJ0206-REG	0-1			Lead, Only
HR-CCRI-GP77	HR-CCRI-GP77-SS-SJ0207-REG	0-1			Lead, Only
HR-CCRI-GP78	HR-CCRI-GP78-SS-SJ0208-REG	0-1			Lead, Only
HR-CCRI-GP79	HR-CCRI-GP79-SS-SJ0209-REG	0-1			Lead, Only
HR-CCRI-GP80	HR-CCRI-GP80-SS-SJ0210-REG	0-1			Lead, Only
HR-CCRI-GP81	HR-CCRI-GP81-SS-SJ0211-REG	0-1			Lead, Only
HR-CCRI-GP82	HR-CCRI-GP82-SS-SJ0212-REG	0-1			Lead, Only

Table 4-4

Surface Soil and Subsurface Soil Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcels
Fort McClellan, AL

Sample Location	Sample Designation	Sample Depth (feet)	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-CCRI-GP83	HR-CCRI-GP83-SS-SJ0213-REG	0-1			Lead, Only
HR-CCRI-GP84	HR-CCRI-GP84-SS-SJ0214-REG	0-1			Lead, Only
HR-CCRI-GP85	HR-CCRI-GP85-SS-SJ0215-REG	0-1	HR-CCRI-GP85-SS-SJ0216-FD		Lead, Only
HR-CCRI-GP86	HR-CCRI-GP86-SS-SJ0217-REG	0-1			Lead, Only
HR-CCRI-GP87	HR-CCRI-GP87-SS-SJ0218-REG	0-1			Lead, Only
HR-CCRI-GP88	HR-CCRI-GP88-SS-SJ0219-REG	0-1			Lead, Only
HR-CCRI-GP89	HR-CCRI-GP89-SS-SJ0220-REG	0-1			Lead, Only
HR-CCRI-GP90	HR-CCRI-GP90-SS-SJ0221-REG	0-1			Lead, Only

a First subsurface soil sample in this boring to be collected 1 to 12 feet below ground surface (bgs).
b Second subsurface soil sample to be collected from different depth interval below the first subsurface soil sample so as to collect 2 discrete subsurface soil samples.
c Full Suite of Analyses -Analyses include TCL VOCs, TCL SVOCs, TAL Metals, and Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's

Explosives - Nitroaromatic/Nitramine Explosives
FD - Field duplicate.
MS/MSD - Matrix spike/matrix spike duplicate.
QA/QC - Quality assurance/quality control.
PCB - Polychlorinated biphenyl
REG - Field sample.
TAL - Target analyte list.
TCL - Target compound list.
SVOCs - Semivolatile organic compounds.
VOCs - Volatile organic compounds.

Table 4-5

Groundwater Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcel
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Designation	Sample Matrix	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-94Q-MW01	HR-94Q-MW01-GW-SJ3001-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-94Q-MW02	HR-94Q-MW02-GW-SJ3002-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-95Q-MW01	HR-95Q-MW01-GW-SJ3003-REG	Groundwater	HR-95Q-MW01-GW-SJ3004-FD		TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-95Q-MW02	HR-95Q-MW02-GW-SJ3005-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-95Q-MW03	HR-95Q-MW03-GW-SJ3006-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-96Q-MW01	HR-96Q-MW01-GW-SJ3007-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-131Q-MW01	HR-131Q-MW01-GW-SJ3008-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-144Q-MW01	HR-144Q-MW01-GW-SJ3009-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-145Q-MW01	HR-145Q-MW01-GW-SJ3010-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-145Q-MW02	HR-145Q-MW02-GW-SJ3011-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-146Q-MW01	HR-146Q-MW01-GW-SJ3012-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-146Q-MW02	HR-146Q-MW02-GW-SJ3013-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-147Q-MW01	HR-147Q-MW01-GW-SJ3014-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-147Q-MW02	HR-147Q-MW02-GW-SJ3015-REG	Groundwater	HR-147Q-MW02-GW-SJ3016-FD		TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's

Table 4-5

Groundwater Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Parcel
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Designation	Sample Matrix	QA/QC Samples		Analytical Suite
			Field Duplicates	MS/MSD	
HR-148Q-MW01	HR-148Q-MW01-GW-SJ3017-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW01	HR-CCRI-MW01-GW-SJ3018-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW02	HR-CCRI-MW02-GW-SJ3019-REG	Groundwater		HR-CCRI-MW02-GW-RH3019-MS/MSD	TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW03	HR-CCRI-MW03-GW-SJ3020-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW04	HR-CCRI-MW04-GW-SJ3021-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW05	HR-CCRI-MW05-GW-SJ3022-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW06	HR-CCRI-MW06-GW-SJ3023-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW07	HR-CCRI-MW07-GW-SJ3024-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW08	HR-CCRI-MW08-GW-SJ3025-REG	Groundwater	HR-CCRI-MW08-GW-SJ3026-FD		TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW09	HR-CCRI-MW09-GW-SJ3027-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's
HR-CCRI-MW10	HR-CCRI-MW10-GW-SJ3028-REG	Groundwater			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Herbicides, Pesticides and PCB's

FD - Field duplicate.
MS/MSD - Matrix spike/matrix spike duplicate.
QA/QC - Quality assurance/quality control.
REG - Field sample.
TAL - Target analyte list.
TCL - Target compound list.
SVOCs - Semivolatile organic compounds.
VOCs - Volatile organic compounds.

Table 4-6

Surface Water and Sediment Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Ft. McClellan, Alabama

Sample Location	Sample Designation	Sample Matrix	Sample Depth (feet)	QA/QC Samples		Analytical Suite
				Field Duplicates	MS/MSD	
HR-CCRI-SW/SD01	HR-CCRI-SW/SD01-SW-SJ2001-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD01-SD-SJ1001-REG	sediment	0-0.5			
HR-CCRI-SW/SD02	HR-CCRI-SW/SD02-SW-SJ2002-REG	Surface water	N/A	HR-CCRI-SW/SD02-SW-SJ2003-FD		TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD02-SD-SJ1002-REG	sediment	0-0.5	HR-CCRI-SW/SD02-SD-SJ1003-FD		
HR-CCRI-SW/SD03	HR-CCRI-SW/SD03-SW-SJ2004-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD03-SD-SJ1004-REG	sediment	0-0.5			
HR-CCRI-SW/SD04	HR-CCRI-SW/SD04-SW-SJ2005-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD04-SD-SJ1005-REG	sediment	0-0.5			
HR-CCRI-SW/SD05	HR-CCRI-SW/SD05-SW-SJ2006-REG	Surface water	N/A		HR-CCRI-SW/SD05-SW-SJ2006-MS/MSD	TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD05-SD-SJ1006-REG	sediment	0-0.5		HR-CCRI-SW/SD05-SD-SJ1006-MS/MSD	
HR-CCRI-SW/SD06	HR-CCRI-SW/SD06-SW-SJ2007-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD06-SD-SJ1007-REG	sediment	0-0.5			
HR-CCRI-SW/SD07	HR-CCRI-SW/SD07-SW-SJ2008-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD07-SD-SJ1008-REG	sediment	0-0.5			
HR-CCRI-SW/SD08	HR-CCRI-SW/SD08-SW-SJ2009-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD08-SD-SJ1009-REG	sediment	0-0.5			
HR-CCRI-SW/SD09	HR-CCRI-SW/SD09-SW-SJ2010-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD09-SD-SJ1010-REG	sediment	0-0.5			

Table 4-6

Surface Water and Sediment Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Ft. McClellan, Alabama

Sample Location	Sample Designation	Sample Matrix	Sample Depth (feet)	QA/QC Samples		Analytical Suite
				Field Duplicates	MS/MSD	
HR-CCRI-SW/SD10	HR-CCRI-SW/SD10-SW-SJ2011-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD10-SD-SJ1011-REG	sediment	0-0.5			
HR-CCRI-SW/SD11	HR-CCRI-SW/SD11-SW-SJ2012-REG	Surface water	N/A		HR-CCRI-SW/SD11-SW-SJ2012-MS/MSD	TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD11-SD-SJ1012-REG	sediment	0-0.5		HR-CCRI-SW/SD11-SD-SJ1012-MS/MSD	
HR-CCRI-SW/SD12	HR-CCRI-SW/SD12-SW-SJ2013-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD12-SD-SJ1013-REG	sediment	0-0.5			
HR-CCRI-SW/SD13	HR-CCRI-SW/SD13-SW-SJ2014-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD13-SD-SJ1014-REG	sediment	0-0.5			
HR-CCRI-SW/SD14	HR-CCRI-SW/SD14-SW-SJ2015-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD14-SD-SJ1015-REG	sediment	0-0.5			
HR-CCRI-SW/SD15	HR-CCRI-SW/SD15-SW-SJ2016-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD15-SD-SJ1016-REG	sediment	0-0.5			
HR-CCRI-SW/SD16	HR-CCRI-SW/SD16-SW-SJ2017-REG	Surface water	N/A	HR-CCRI-SW/SD16-SW-SJ20018-FD		TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD16-SD-SJ1017-REG	sediment	0-0.5	HR-CCRI-SW/SD16-SD-SJ10018-FD		
HR-CCRI-SW/SD17	HR-CCRI-SW/SD17-SW-SJ2019-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD17-SD-SJ1019-REG	sediment	0-0.5			
HR-CCRI-SW/SD18	HR-CCRI-SW/SD18-SW-SJ2020-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD18-SD-SJ1020-REG	sediment	0-0.5			
HR-CCRI-SW/SD19	HR-CCRI-SW/SD19-SW-SJ2021-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD19-SD-SJ1021-REG	sediment	0-0.5			
HR-CCRI-SW/SD20	HR-CCRI-SW/SD20-SW-SJ2022-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD20-SD-SJ1022-REG	sediment	0-0.5			

Table 4-6

Surface Water and Sediment Sample Designations and QA/QC Sample Quantities
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Ft. McClellan, Alabama

Sample Location	Sample Designation	Sample Matrix	Sample Depth (feet)	QA/QC Samples		Analytical Suite
				Field Duplicates	MS/MSD	
HR-CCRI-SW/SD21	HR-CCRI-SW/SD21-SW-SJ2023-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD21-SD-SJ1023-REG	sediment	0-0.5			
HR-CCRI-SW/SD22	HR-CCRI-SW/SD22-SW-SJ2024-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD22-SD-SJ1024-REG	sediment	0-0.5			
HR-CCRI-SW/SD23	HR-CCRI-SW/SD23-SW-SJ2025-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD23-SD-SJ1025-REG	sediment	0-0.5			
HR-CCRI-SW/SD24	HR-CCRI-SW/SD24-SW-SJ2026-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD24-SD-SJ1026-REG	sediment	0-0.5			
HR-CCRI-SW/SD25	HR-CCRI-SW/SD25-SW-SJ2027-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD25-SD-SJ1027-REG	sediment	0-0.5			
HR-CCRI-SW/SD26	HR-CCRI-SW/SD26-SW-SJ2028-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD26-SD-SJ1028-REG	sediment	0-0.5			
HR-CCRI-SW/SD27	HR-CCRI-SW/SD27-SW-SJ2029-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD27-SD-SJ1029-REG	sediment	0-0.5			
HR-CCRI-SW/SD28	HR-CCRI-SW/SD28-SW-SJ2030-REG	Surface water	N/A	HR-CCRI-SW/SD28-SW-SJ2031-FD		TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD28-SD-SJ1030-REG	sediment	0-0.5	HR-CCRI-SW/SD28-SD-SJ1031-FD		
HR-CCRI-SW/SD29	HR-CCRI-SW/SD29-SW-SJ2032-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD29-SD-SJ1032-REG	sediment	0-0.5			
HR-CCRI-SW/SD30	HR-CCRI-SW/SD30-SW-SJ2033-REG	Surface water	N/A			TCL VOCs, TCL SVOCs, TAL Metals, Nitroaromatic/Nitramine Explosives, Pesticides, Herbicides and PCB's. (Also for Sediment - TOC and Grain Size)
	HR-CCRI-SW/SD30-SD-SJ1033-REG	sediment	0-0.5			

FD - Field duplicate.
MS/MSD - Matrix spike/matrix spike duplicate.
N/A - Not applicable
QA/QC - Quality assurance/quality control.
REG - Field sample.
SVOCs - Semivolatile organic compounds.
TAL - Target analyte list.
TCL - Target compound list.
TOC - Total organic carbon.
VOCs - Volatile organic compounds.

Table 4-7

Analytical Samples for the Remedial Investigation
Former Choccolocco Corridor Ranges, Parcels 94Q, 95Q, 96Q, 97Q, and Associated Ranges
Fort McClellan, Calhoun County, Alabama

Parameters	Analysis Method	Sample Matrix	TAT Needed	Field Samples			QA/QC Samples[a]				EMAX
				No. of Sample Points	No. of Events	No. of Field Samples	Field Dups (10%)	MS/MSD (5%)	Trip Blank (1/ship)	Eq. Rinse (1/wk/matrix)	Total No. Analysis
Former Choccolocco Corridor Ranges: 55 water matrix samples (25 groundwater and 30 surface water samples) and 230 soil matrix samples (100 surface soil samples, 100 subsurface soil samples, and 30 sediment samples)											
TCL VOCs	8260B	water	normal	55	1	55	6	3	28	3	98
TCL SVOCs	8270C	water	normal	55	1	55	6	3	0	3	70
TAL Metals	6010B/7000	water	normal	55	1	55	6	3	0	3	70
Explosives	8330	water	normal	55	1	55	6	3	0	3	70
Cl Pesticides	8081	water	normal	55	1	55	6	3	0	3	70
Op Pesticides	8141A	water	normal	55	1	55	6	3	0	3	70
Cl Herbicides	8151	water	normal	55	1	55	6	3	0	3	70
PCB's	8082	water	normal	55	1	55	6	3	0	3	70
TCL VOCs	8260B	soil	normal	90	1	90	9	5	0	5	114
TCL SVOCs	8270C	soil	normal	90	1	90	9	5	0	5	114
TAL Metals	6010B/7000	soil	normal	150	1	150	15	8	0	8	189
Explosives	8330	soil	normal	150	1	150	15	8	0	8	189
Cl Pesticides	8081	soil	normal	90	1	90	9	5	0	5	114
Op Pesticides	8141A	soil	normal	90	1	90	9	5	0	5	114
Cl Herbicides	8151	soil	normal	90	1	90	9	5	0	5	114
PCB's	8082	soil	normal	90	1	90	9	5	0	5	114
Lead	6010B	soil	normal	80	1	80	8	4	0	4	100
XRF Metals[b]	6010B	soil	normal	35	1	0	0	0	0	0	0
Also, sediment samples will be analyzed for the following parameters:											
Total Organic Carbon	9060	sediment	normal	30	1	30	0	0	0	0	30
Grain size	ASTM D421/D422	sediment	normal	30	1	30	0	0	0	0	30
Former Choccolocco Corridor Ranges Subtotal:				1420	140	74	28	74	1810		

[a]Field duplicate, QA split, and MS/MSD samples were calculated as a percentage of the field samples collected per site and were rounded to the nearest whole number. Trip blank samples will be collected with water matrix samples for VOC analysis only. Assumed four field samples per day to estimate trip blanks. Equipment blanks will be collected once per event whenever sampling equipment is field decontaminated and re-used. They will be repeated weekly for sampling events that last more than 1 week. Assumed 20 field samples will be collected per week to estimate number of equipment blanks.

[b] XRF Metals - Arsenic, antimony, copper, lead, and zinc; represents approximately 5% of total number of proposed XRF screening locations.

ASTM - American Socienty of Testing and Materials
Cl - Chlorinated
Explosives - Nitroaromatic and Nitramine.
MS/MSD - Matrix spike/matrix spike duplicate.
Op - Organophosphorus
PCB - Polychlorinated biphenyl
QA/QC - Quality assurance/quality control.
SVOCs - Semivolatile organic compounds.
TAL - Target analyte list.
TAT - Turn-around time
TCL - Target compound list.
VOCs - Volatile organic compounds.

Ship samples to:
EMAX Laboratories, Inc.
1835 205th Street
Torrance, CA 90501
Attn: Elizabeth McIntyre
Tel: 310-618-8889
Fax: 310-618-0818